

Radioactivity Log

State Center rental
working well
7. H. B.

FILE NOTATIONS		Checked by Chief	
Entered in NID File	_____	Copy NID to Field Office	_____
Entered On S R Sheet	_____	Approval Letter	_____
Location Map Pinned	_____	Disapproval Letter	_____
Card Indexed	_____		_____
I W R for State or Fee Land	_____		_____

COMPLETION DATA:		Location Inspected	
Date Well Completed	_____	Bond released	_____
OW _____	WW _____	State of Fee Land	_____
GW _____	OS _____		_____

LOGS FILED	
Driller's Log	_____
Electric Logs (No.)	_____
E _____	MI-L _____
Lat _____	Sonic _____

LOGS FILED	
GR-N _____	Micro _____
Others _____	

Rework

FILE NOTATIONS	
Entered in NID File	_____
Entered On S R Sheet	_____
Location Map Pinned	_____
Card Indexed	_____
I W R for State or Fee Land	_____

COMPLETION DATA:	
Date Well Completed	<u>8-31-59</u>
OW <input checked="" type="checkbox"/> _____	WW _____
GW _____	OS _____

LOGS FILED	
Driller's Log	_____
Electric Logs (No.)	_____
E _____	MI-L _____
Lat _____	Sonic _____

LOGS FILED	
GR-N _____	Micro _____
Others _____	

1-30-91
for

7490TD

Scout Report sent out



Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A. or
operations suspended

10-10-59

Pin changed on location map



Affidavit and Record of A & P



Water Shut-Off Test



Gas-Oil Ratio Test



Well Log Filed



WELL REPORTED PRODUCING
4-59

State of Utah
Oil & Gas Commission
310 Newhouse Bldg.
Salt Lake City, Utah

Los Angeles, Calif.
Oct 25, 1925.

In re your letter Oct 14, 1925

Dear Mr. Henderson:

I am enclosing a letter to Mr. Russell of the U.S.G.S. which I think is self explanatory also giving you the present gauges. The amount of oil on hand in tanks, shipped and produced this year is a bit difficult to give you as I was not present at the property for nearly 3 months. However, I do know what oil or rather fluid was in each tank when I took over after the recession from Wm O. Gray. His Sept was Dr. Randall which I understood permitted or withdrew oil from the shipping tank for fishing jobs. This is hearsay.

Mr. Hampton and yourself gauged the shipping tank and the 4 tank battery. You yourself drained the water off of both producing and shipping tank so my calculations to date are these

Oil in Shipping Tank 6'3" @ 5.41 bbls per inch.

Oil Shipped Oct 16, 5856 Gallons

Oil " Oct 22 35550 Gallons

41,406 Gallons Shipped

Oil in Tank #1 - 1 ft. 6 1/2"

" " " #2 - 3 ft. 6"

" " " #3 - unchanged

" " " #4 - 1' - 7"

Shipping tank #4 - 1' - 7"

Trusting this answers your query. I beg to remain Sincerely,
M. S. Mason

(NOTE: - Full and accurate measurement will reach you shortly after the 1st in the above report sheet)

UTAH OIL AND GAS CONSERVATION COMMISSION

WELL LOG 2 ELECTRIC LOGS 1 FILE X NO FILE

REMARKS: **Modco, Inc. originally drilled this well in 1954.

*Well produced some oil starting in March, 1959, at an est. 30 to 40 BOPD; however, the completion from the well log states the well to have been put to producing August 31, 1959.

(b) Transcontinental Oil Co. did not send us a Notice of Intention, but they started reworking this well as of June, 1960.

DATE FILED Prior OGCC

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. SI-064948-F INDIAN

DRILLING APPROVED: --

SPUDDED IN: 12-1-54 (b) 7-9-60

COMPLETED: *8-31-59

INITIAL PRODUCTION: Approx. 124 BOPD

GRAVITY A. P. I. Approx. 39°

GOR:

PRODUCING ZONES: 2130'-50'; 3880'-3910'; 6594'-6716'; 7385'-7490'

TOTAL DEPTH: 7490'

WELL ELEVATION: 4196' DF

DATE ABANDONED: 9-29-57 OS (b) 8-29-61 OS because road is impossible to get rig over.

FIELD OR DISTRICT: Cane Creek - 3/86 Wildcat  PA'd 1970 

COUNTY: Grand

WELL NO. M.G.M. 2

API 43-019-11302

LOCATION: 1725 FT. FROM ~~XX~~ (S) LINE, 894 FT. FROM (E) ~~XX~~ LINE. SW NE SE ¼-¼ SEC. 36

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>26S</u>	<u>20E</u>	<u>36</u>	<u>TRANSCONTINENTAL OIL CO.</u>				

Tank gauge 10 AM Sunday
Sept 20, 1959

Tank #1 14'-2 1/2" before bleed
water off
13'-4 1/2" after bleed
water off
Tank #2 - 0'-10 7/8"
Tank #3 - 0'-2"
Tank #4 - 0'-4"
Loading tank - 10'-0 1/4" before
(MGM Tank) bleed water off
6'-3" after
bleed off water
H. G. Henderson
Oil & Gas Commissioner
Pet. Engr.

Los Angeles, Calif.
October 25th, 1959

U. S. Geologic Survey
Salt Lake City, Utah

Attn. Mr. Don Russell, District Eng.

Dear Mr. Russell:

The above is a photostatic copy of the tank gauge and the remainder of oil in tank after Mr. H. G. Henderson, Engineer for the State of Utah, Oil and Gas Commission bled the water off of the tanks on Sept. 20th, 1959.

You will note that he drained 10 inches or 5.1 bbls. off of Tank 1 which is the Production Tank. You will further note that he drained off 3'9" of water off of the Loading tank or 24.8 bbls. This is a total of 29.9 bbls. of fluid out of these two tanks. This Loading Tank was produced into the 1st of January and the first few days of February this year. I have seen that D. C. Randall had the records concerning this production and that several loads went out of this tank to "unstick" pipe on the filling jobs during the time that Randall took over for Mr. Gray. Mr. Gray was incarcerated at the pleasure of the County of Los Angeles from July 24th, 1958 to May 5, 1959. It then required over two months to get a deal Mr. Pearson was forced to make while he was not available to protect her or assist in the operation of the property at that time, for over 5 months neither I nor Mrs. Pearson had anything to do with the property except to get stuck with \$29,900.00 worth of oil that Randall incurred in behalf of Gray et al. Just what oil was in this tank or what water was in this tank I do not know but I know that Mr. Gray, Mr. Claiborne et al took over in July or August that there was between 10ft. 10in. and 10ft. 4in. of fluid in this Shipping Tank and that I never bled this tank except as the gauge above and draining of the tank by Mr. Henderson.

We did not get 5.5 bbls. of oil on the 10th of the month and on the 11th of the month we got 11.2 bbls. of oil on the 22nd of the month or a total of 16.7 bbls. of oil. Of course this was a little more than we made during the month of Sept. 1959. The rest of the Oct. production will be shipped early in November and a full report will be made regarding sales, price, shipping costs and oil on hand along with the other reports. Trusting that this clearing up this matter to your satisfaction, we remain,
McLeo, Inc., Harry E. Claiborne et al

Salt Lake City
U. S. LAND OFFICE SL 064948
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Modco, Inc. Address P. O. Box 66, Moab, Utah
Lessor on Tract M. Field Wildcat State Utah
Well No. #2 Sec. 36 T. 26S R. 20E Meridian S. L. M. County Grand **Corrected**
Location 1725 1725 of S Line and 894 ft. of E Line of Section 36 Elevation 4196
(Derrick floor relative to sea level)
The information given herewith is a complete and correct record of the well and all work done thereon
so far as can be determined from all available records.
Signed [Signature]
Date March 28, 1957 Title Chief Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling December 1, 1954, 19____ Finished drilling September 29, 1957, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **2130** to **2168** No. 4, from _____ to _____
 No. 2, from **2400** to **2440** No. 5, from _____ to _____
 No. 3, from **6628** to **6724** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2560 to 2700 **MgCl** No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	44			82'					Surface
9-5/8	36			3350'					Water
7	26			3554'			6666'	6720'	Production
5	18			717'					Water
4	13.3			126'					Water
5	19			2080'			6597'	6718'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	82'	30 sacks	Halliburton	Water	
9-5/8	3350'	100 sacks	Halliburton		
7	6735'	60 sacks	Halliburton	Diesel Fuel	
5	7352'	30 sacks	Halliburton	Diesel Fuel	

7	6735'	60 sacks	Halliburton	Diesel Fuel
5	7352'	30 sacks	Halliburton	Diesel Fuel

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ 0' _____ feet to _____ 7490' _____ feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1845	1845	SS w/ LS streaks
1845	1900	55	Salt
1900	1955	55	Black Sh, LS, Gyp and Anhydrite
1955	2130	175	Salt
2130	2165	38	LS
2168	2400	232	Salt
2400	2440	40	LS, Gype and Anhydrite
2440	2560	120	Salt
2560	2700	140	LS, Gype and Anhydrite
2700	5650	2950	Salt w/ stringers LS, Black Sh and Anhydrite
5650	5675	25	Silt (Probably Loess)
5675	6628	953	Salt
6628	6724	96	LS Oil Bearing
Bottom of Gamma Ray Nutron Log by McCullough Tool Co. 6724'			
6724	6755	31	Salt
6755	6863	108	Sh w/ LS stringers
6863	6891	28	Salt
6891	6922	31	Sh
6922	7022	100	Salt
7022	7205	183	Sh w/ LS stringers
7205	7303	98	Red Sh (molass)
7303	7490	187 TD	LS

(OVER)

16-43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Casing Record Continued			
%X 5"	18# Hydrill	715'	Production
Mudding and Cementing Record Continued			
4" liner	7269.95 to 7395.5	25 sacks	Cement Halliburton
5" liner	5960 to 6675	60 sacks	Cement Halliburton
5" liner	4639 to 6718	35 sacks	Cement Halliburton
Bottom 120' of liner perforated w/ Baker Basket above			

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

12/1/54 Spudded in

12/5/54 Set Surface Casing 13-3/8"

2/3/55 Set 9-5/8" Casing

3/9/55 Drilled to 6730'

3/10/55 to 8/1/55 Testing

5/19/55 Set 7" Casing

7/26/55 Squeezed oil zone at 6730 w/ 80 sacks cement 2500 PSI

8/2/55 to 10/15/55 Drilled to 7490'

8/29/55 Set 5" liner

9/5/55 Squeezed 5" liner w/ 200 sacks cement

9/9/55 Squeezed 5" liner w/ 200 sacks cement

9/15/55 Squeezed 5" liner w/ 200 sacks cement

9/20/55 Squeezed 5" liner w/ 200 sacks cement

10/3/55 Set 4" liner

10/19/55 Set plug at bottom of hole w/ 40 sacks cement

10/19/55 Set bridge plug 6090 to 6560

10/21/55 Cut window at 6085

10/21/55 to 11/8/55 Drilled from 6085 to 6771

11/8/55 to 8/19/56 Tested

11/1/55 Set 5" liner from 5960 to 6675 w/ 60 sacks cement

5/24/55 Perforated from 6666 to 6720 w/ 198 - 1/2" shots McCullough Tool Co.

8/20/56 Set Bridge plug at 4750

8/21/56 Set Whipstock and cut window in 7" at 4680

8/22/56 to 9/4/56 Drilled to 6718'

9/6/56 Set 5" liner from 4639 to 6718 (perforated liner)

9/7/56 to 9/29/57 Testing

9/29/57 Shut in well and ceased operation until Texas Gulf Producing Company, the new operators can test probable pay zones in their Federal No. 1-X well

LOG OF OIL OR GAS WELL

Geological Section

DEPARTMENT OF THE INTERIOR

UNITED STATES

TYPE OF WELL TO BE DRILLED

SECTOR NUMBER

U. S. FIELD OFFICE

WELL NUMBER

Mason file

338 Tusher

Mr. H. G. Henderson
Oil & Gas Conservation Commission
Room 310 Newhouse Bldg.
Salt Lake City, Utah

Dear Sir:

Mr Hauptman has asked me to inform you of any use, sale or disposal of crude oil from the Cane Creek leases during the period when Mr. Mason was not in direct charge. From the completion of the workover in late January to approximately July 1st there were only 1500 gallons (truck capacity) of crude oil taken from the tanks or directly from the well for any lease use, well use, sale, gift or trade. The 1500 gallons were picked up by the local Phillips distributor, Mr. Ken MacDougald for use in freeing stuck drill pipe on a rig which Phillips was servicing. As it was an emergency I authorized the release of the oil. However I do not know whether it was finally handled as a sale or as a reduction in the Masons account with Phillips.

To my knowledge, which is quite comprehensive, this was the only use of any description of oil produced from the Cane Creek Leases,

Yours very truly,


Duane C. Randall

March 11, 1957

MGM Petroleum
P. O. Box 66
Moab, Utah

Gentlemen:

It has come to the attention of this office that Well No. 2 (MGM) Government, which was drilled by you in the SW NE SE of Section 36, Township 26 South, Range 20 East, Grand County, has been completed, plugged and abandoned, or shut down as of September 22, 1956.

*Not
P.O.
7/11/56*

Rule C-5(a), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil and Gas Conservation Commission, provides that within 90 days after the suspension of operations, abandonment of, or the completion of any well drilled for the production of oil or gas and within 90 days after the completion of any further operations on it, if such operations involved drilling deeper or drilling or re-drilling any formation, the well log shall be filed with the Commission, as well as a copy of the electric and radioactivity logs, if run.

If our information is correct, will you please forward the well log or logs to this office as required by the above mentioned rule. If our information is not correct, will you so notify us.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:cn



29 CENT STREET
P. O. BOX 86
MOUNTAIN LAKE, UTAH

M. G. MASON
PRESIDENT-OPERATOR

March 20, 1957

*Have Charlie
check*

The State of Utah
Oil & Gas Conservation Commission
Salt Lake City 14, Utah

Gentlemen:

The information that you have on the M. G. M. #2 well is incorrect as we have not abandoned, suspended or completed this well. At the present time we do not have any logs available but will have at a later date.

*OK by
Apr 20*

Our intention is to eventually complete this well and at that time will inform you of the results.

Sincerely yours,

Modco, Inc.

Darrell Reardon
Office Manager

Per M. G. Mason Apr. 12, 1957.

*MGM #1 T.D. 3837'
Pay 3817-37*

*MGM #2 T.D. 6716'
Pay 6595-6716
Cap 6584-95*

*T.D. Per Russell
7461' 5/1/57*

*1-2-3-4
5-6-7-8
9-10-11-12
13-14-15-16
17-18-19-20
21-22-23-24
25-26-27-28
29-30-31-32
33-34-35-36
37-38-39-40
41-42-43-44
45-46-47-48
49-50-51-52
53-54-55-56
57-58-59-60
61-62-63-64
65-66-67-68
69-70-71-72
73-74-75-76
77-78-79-80
81-82-83-84
85-86-87-88
89-90-91-92
93-94-95-96
97-98-99-100*

~~drill cuttings~~

~~Oct 25 - Dec 25~~

5 wells on Cane Creek
structure under MS Mason's
operation.

Our records very ^{incomplete}
will get DWR's from
U.S.G.S. and Mason will
^(logs etc) bring reports up to date.
4/15/57 C.A.H.

April 29, 1957

Modco Inc.
P. O. Box 66
Moab, Utah

Attention: M. G. Mason

Dear Monty:

This will acknowledge receipt of your Lane Wells Radio-activity log on MCM #2, Cane Creek structure, and MCM #1, both wells on Section 36, Township 26 South, Range 20 East.

Wish to thank you for your prompt response to my request while visiting your operations down on the Colorado.

Our files are devoid of any of the logs of any of the wells drilled on Cane Creek, and it will be greatly appreciated if you will prepare detailed Driller's Logs on each of the five wells which have been drilled on Cane Creek. Forms for this purpose are enclosed.

I appreciate that this is a rather large order, will bear with you in preparing these logs for us. We would also like to have a Supplementary Well History on the cleaning out and testing of your No. 2 MCM.

It is hoped that your recent efforts will reward you for the many years of effort that I know that you have put forth on this project.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

C. Hauptman
Petroleum Engineer

CAH:cn

Encl.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE

LEASE NUMBER

UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field _____The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1959Agent's address P.O. Box 66 Company Modco, Inc.Moab, Utah Signed [Signature]Phone Alpine 3-2071 Agent's title V.P.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE 1/4 SE 1/4 36	26S	20E	#2							n/k 2/11/59
Jan. 1	to 15				Cleaning Lease, working on road etc.					
Jan. 16	Moved rig to location and rigged up to work over well									
Jan. 17	Swab would not go to bottom - wax. Rigged up to pump hot oil.									
Jan. 18	Pumped 40 barrels hot oil into well. Rigged up extra sinker bars and opened tubing to bottom									
Jan 19	Swabbed 10 hours. Recovering principally acid water from acid job Sept. 26, 1957									
Jan 20	Swabbed 10 hours. Recovery principally acid water									
Jan 21	"		"	"	"	"	"	"	"	
Jan 22	"		"	"	"	"	"	"	"	
Jan 23	"		"	"	"	"	"	"	"	
Jan 24	"		"	"	"	"	"	"	"	
Jan 25	Pulled tubing. Started to rerun tubing with seating nipple for pump.									
Jan 26.	Finished running tubing. Filled annulus with 480 barrels lease crude									
Jan 27	Washed well with 500 gallons MCA mud acid									
Jan 28	Packer leaking. Pulled tubing and reran packer - Brown Hydraulic									
Jan 29	Seated packer. Added 125 barrels lease crude to annulus.									
Jan 30	Swabbing 10 hours. Recovery acid water									
Jan 31	Swabbed 10 hours. Acid water.									
Water recovered from this well is definitely spent acid and is not salty										

NOTE.—There were None runs or sales of oil; None M cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-55.
Salt Lake City
LAND OFFICE SLO 64948
LEASE NUMBER
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1959,

Agent's address P.O. Box 66 Company Modco, Inc.

Moab, Utah

Signed Wm. P. Rindell

Phone Alpine 303071

Agent's title V.P.

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE 1/4 SE 1/4 36	26S	20E	#2							
	Feb. 1			Swabbed 10 hours.	Acid water.	Trace oil.				
	Feb. 2		"	"	"	"	2	"	"	
	Feb. 3		"	"	"	"	"			Oil increasing.
	Feb. 4		"	"	"	"	"			50% oil.
	Feb. 5		"	"	"					Oil. Some water.
	Feb. 6		"	"	"		27 barrels oil.			
	Feb. 7			Ran rods. Moved out rig.						
	Feb. 8			Pouring Foundation for pump.						
	Feb. 9			W.O. cement.						
	Feb. 10			Set pump. Poured Foundation for motor.						
	Feb. 11			W.O. cement.						
	Feb. 12			Set motor. Placed well on pump. 9:40 A.M.						
	Feb. 13			Pumped 15 hours 40 minutes. Recovered probably 60 barrels. Exact amount impossible to determine due to sludge in bottom of tank. Down time—adjusting jacks.						
	Feb. 14			Pumped 10 hours. Down to have new pulley made for motor. Pumped 37 barrels.						
	Feb. 15			Pumped 22 hours 50 minutes. Received 128 barrels.						
	Feb. 16			Pumped 23 hours 10 minutes. Received 111 barrels.						
	Feb. 17			Pumped 21 hours 20 minutes. Received 97 barrels.						
	Feb. 18			Pumped 20 hours 30 minutes. Received 49 barrels. Pump not working right.						
	Feb. 19			Reassembled pump with winch truck. Pumped 15 hours. Received 27 barrels.						
	Feb. 20			Moved in rig to pull pump.						
	Feb. 21			Finished pulling rods. Ran new oilmaster 3 barrel pump. On bottom.						
	Feb. 22			Finished running rods. On bottom and started pumping 11:30 A.M. Filled tubing with 18 barrels oil. Pumped until 6:00 P.M. No recovery. Shut down overnight.						
	Feb. 23			Pulled rods.						
	Feb. 24			Took pump to Cortez. Decided to convert to Ration Compound Pump.						
	Feb. 25			Waiting on parts for pump.						

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

DUANE C. RANDALL
CONSULTING GEOLOGISTPOST OFFICE BOX 66
MOAB, UTAHModco #2 MGM
911 WEL, 1754 NSL
Sec 36 T26S R20E
E1 4196 KB7/8
4-57

The well was spudded Nov. 30, 1954 and set 82 feet of 133/8" casing and cemented with 30 sacks cement. A 12 1/4" hole was drilled to 3350 and 95/8" casing cemented at that depth with 100 sacks. The first 2047 feet were drilled without circulation, then sawdust was pumped into the hole, circulation regained and the well drilled on to the casing point, with MgCl water. A number of shows are recorded: 795-812 gas, 1790-1800, 1900-1922, 2400-2440 oil. It has not been determined how these were found particularly in the lost circulation zone, nevertheless they check with the Lane Wells Log.

After setting 95/8" casing the operator changed from salt water to diesel oil as drilling fluid. While drilling at 6730 the well blew out and a Haliburton tester was run. The well was tested through the tester for 73 hours. Actually the top packer was set well in the pay and reportedly the well flowed through the annulus throughout the test. There are movies available of this test and also a number of witnesses. There can be no doubt that the well made a lot of oil during the test.

Instead of running casing immediately the operator ran a Sweet packer to produce open hole. The packer evidently knocked the wall off the hole at 5650-5670 allowing fine silty material, probably Loess, to fill the hole. Early attempts to clean this out were largely by reversing circulation and a minimum of 12 days were utilized, usually with rig pumps and up to 1250 psi. and on one occasion with Haliburton. It appears quite evident that the well was damaged if not ruined by this treatment. Finally a 7" liner was set and cemented at 6100 (?) after working on the well some 73 days after the DST. This liner was hung at 3174 with a Brown Oil Tool Hanger and cemented with 60 sacks. Another 74 days were utilized in trying to clean up well before operator decided to drill ahead.

The Molas was topped at 7205 and the Mississippian at 7303. Circulation was lost at 7352 and 5" casing was set and cemented at that depth with 30 sacks. Correlating with MGM #1 operator assumed he was through the water zone however water came in as soon as plug was drilled. Several squeeze jobs were unsuccessful and the well was drilled to 7395 and a 4" liner was run but did not shut off water. The well was finally drilled to 7490 and then plugged back to 6109. A window was cut at 5068, the hole redrilled to 6675 and cemented with 60 sacks.

The well was worked on for about 8 months by swabbing with occasional treatment of one type or another. Throughout the period 8 to 12 barrels per day were swabbed--usually by running only a single tour. Several times the driller noted that the oil was dirty and not noticeably cleaning up. An Eastman Survey indicated a departure of 87 feet Northeast.

The well was again plugged back, this time to 4750 and a window cut at 4702 and the well redrilled to 6718. This time a deviation of 29 feet were obtained at 5424 at which depth Eastmans services were dispensed with. The direction of inclination was at that time parallel with the direction in the two previous holes and it is probable that the total deviation would be under 100 feet at the pay depth. This hole was cased with 2079.42 feet of 5", 19 lb. liner with the bottom 120 feet perforated and slotted. A Baker Basket Shoe was set at 6594, and the liner cemented with 35 sacks. The liner was hung with a Burns Liner Hanger.

After drilling plug the well was swabbed, recovering of oil, and acidized

with 1500 gallons MCA treated with 90 gallons Morflo. It was then acidized with 1000 gallons MCA with Dowell M38. The well was pumped and swabbed with varying success for about 8 months when the well caught fire while pulling tubing destroying the rig completely.

The well was then reperforated with jet bullets 6600 to 6677 and 800 Bbls of crude and diesel were pumped into the formation at 5000 to 5250 psi. with no break back. Pumping rate was steady at $1\frac{1}{2}$ barrels per minute. Following this and after the recovery of about 550 barrels of oil the well was acidized with 2000 gallon 10% MCA. The acid pumped in at 4000 psi. to 4750 psi. with no break back. Less than 50 barrels of oil and acid water were recovered when operations were halted for approximately one year.

Following the down period the well was found to have 590 psi. on the tubing and for a period of 2 months was flowed periodically. A rig was then moved to the location and the well swabbed recovering acid water and oil and then reacidized with 500 gallons MCA and swabbed. The well made 35 to 40 barrels on a one tour per day operation for about 7 days and was put on the pump. The pumping operation has never been satisfactory for several reasons some of which are:

- 1) Packer is set 1800' \angle above perforations. This necessary as there is leak in casing.
- 2) Pump Jack permits only short stroke. Total 54" less 27" rod stretch net 27".
- 3) Excessive gas unseats and gas locks pump.
- 4) Annulus pressure probably restrains fluid entry.
- 5) Probable water block at bottom of hole.

M.G.M. #2 (SL-064948-F)

Location

1725' from S line & 894' from E, SW 1/4 NE 1/4 S. sec. 36, T. 26 S., R. 20 E.

Running Dates

Commenced 12-1-54, Finished 9-5-56

Total Depth

7490'

Casing

13 7/8" @ 82' w/30 sx; 9 5/8" @ 3350' w/100 sx; 7" @ 6735' w/60 sx; 5" @ 7352' w/30 sx; 4" liner from 7270' to 7396' w/25 sx — 2 whipstocked holes cased as follows: 5" ^{liner} from 5960' to 6675' w/60 sx & 5" liner from ^{4639'} 4369' to 6718' (bottom 120' perforated)

Tests

?

(2130'-68', 2400'-40', 6628'-6724')

Oil or Gas Zones

Reported (Form 9-330) 2130'-50', 3880'-3910', 6594'-6716', 7385'-7490' (Water zone 2565'-2700')

Tops

Hermosa - 80'

Paradox Sh. - 1814'

" Salt - 1980'

Molas - 7245'

Leadville - 7345'

Remarks

Completed as a producing well on 8-31-58 producing 19 BOPD from the Paradox 6595'-6716'. Re-entered 7-9-60 — cleaned out & perforated 6613'-39'. Well reportedly swabbed oil — put on pump — no sustained production.

SUPERINTENDENT

SUPERINTENDENT

H. E. CLAIBORNE
Phone DUDLEY 40304
108 S. 3rd St.
LAS VEGAS, NEVADA

MODCO, INC.—CLAIBORNE ET AL

CANE CREEK ANTICLINE

PAGE 3

WELL NO. W.G.H. #2

DATE **Sept 1/2 1959**

FLOWING ☒
 PUMPING ☐ Agitating TYPE OF PUMP Arxloss 12' 301 STROKE 54" effective 28" IN. CAPACITY 117 bbl per day

PERFORATION FROM 6595 TO 6717 Ed. & Slotted PUMPING yes HRS.: 23 FLWG. yes HRS.: 23

SHUT DOWN 1 HRS.: REASON Adjust clutch on engine.

GRAVITY ¹ approx. 35 °AT 60 ° FARENHEIT[illegible]

STRAPPING TABLE HIGH 1,000 BBLs. STEEL TEST TANK

(DOUBLE LOW 500 BBLs.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	¼ in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	½ in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	¾ in.	4.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		

SUPERINTENDENT

MODCO, INC.
MOAB, UTAH
P. O. Box 66

PUMPING OR FLOWING RECORD

MODCO, INC. — CLAIBORNE ET AL

CANE CREEK ANTICLINE

H. E. CLAIBORNE
Phone DUDLEY 40304
108 S. 3rd St.
LAS VEGAS, NEVADA

WELL NO. M.J.N. #2

PAGE 4

FLOWING ☒ Agitating

DATE Sept 2/3, 1959

PUMPING ☒ TYPE OF PUMP Arrolson 12" 751 STROKE 54" Effective 28" IN. CAPACITY 117 bbl per day

PERFORATION FROM 6595 TO 6717 11.6 Slotted PUMPING Yes HRS.: 24 FLWG. yes HRS.: 24

SHUT DOWN None HRS.: REASON

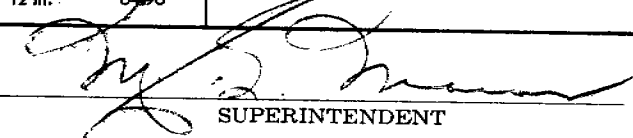
GRAVITY Approx. 39 ° AT 60 ° FARENHEIT

H R	TIME — AM	CSG PRESS	TBG PRESS	TANK NO.	GAUGE		DIFF		TOTAL BBLs.	CHOKE	% W BS		GAS M FT.	G-O	REMARKS
					FT.	IN.	FT.	IN.							
	8:30	200	170	1	5	6.37	-	-		2 3/64					Mr. Charles Hauptman of Utah State Oil & Gas
	8:30	250	110	1	5	1	2	4.63	154.92	2 3/64	0	0		500-1	Commission made a 24 hr gauge on tank #1. Under
															close observation from 10:45 AM Sept. 2 nd to
															10:45 AM Sept. 3rd, well made 150.127 Bbls of
															oil. Sample of oil was taken by Mr. Hauptman.
															Flare was even on gas being burned. Choke was
															opened to 28/64". Difference in barrelage is
															due to extra pump over from production test tank
															from previous day. (9 Bbl.) Well flowed for
															intervals of 1 to 1 1/2 hrs. 3 times during 24 hr.
															period. Tubing pressure varied from 100# to 200#
															due to adjustment of flow bean.

STRAPPING TABLE HIGH 1,000 BBLs. STEEL TEST TANK

(DOUBLE LOW 500 BBLs.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	3/4 in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	1/2 in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	3/4 in.	1.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		


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PUMPING OR FLOWING RECORD

MODCO, INC.—CLAIBORNE ET AL
CANE CREEK ANTICLINE

H. E. CLAIBORNE
Phone DUDLEY 40304
108 S. 3rd St.
LAS VEGAS, NEVADA

PAGE 20

DATE Sept. 18-
19, 1959
CAPACITY 117 Bbl.
per day

WELL NO. _____

FLOWING ☐
PUMPING ☐

TYPE OF PUMP

APR 12 1961

STROKE

54th Effective 30th

IN. CAPACITY

PERFORATION FROM 6595 TO 6717 Re-ASLotted PUMPING To HRS.: 0 FLWG. To HRS.: 0

SHUT DOWN 0 HRS.: REASON Waiting on Pulling Rig.

GRAVITY _____ ° AT _____ ° FARENHEIT

[illegible]

STRAPPING TABLE HIGH 1,000 BBL. STEEL TEST TANK

(DOUBLE LOW 500 BBLS.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	¼ in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	½ in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	¾ in.	4.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		

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64.96

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11 in.	59.55	¾ in.	4.06
12 in.	64.96		

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MODCO, INC.
MOAB, UTAH
P. O. Box 66

H. E. CLAIBORNE
Phone DUDLEY 40304
108 S. 3rd St.
LAS VEGAS, NEVADA

PUMPING OR FLOWING RECORD

MODCO, INC.—CLAIBORNE ET AL
CANE CREEK ANTICLINE

PAGE 42

DATE Oct. 11-12, 1950

WELL NO. N.G.N. 12

FLOWING ☒ Agitating TYPE OF PUMP Ammonia 12" STROKE 54 Effective 28 IN. CAPACITY 117 gal. per day

PERFORATION FROM 6595 TO 6717 RD. & Slotted PUMPING Yes HRS.: 54 FLWG. Yes HRS.: 54

SHUT DOWN 104 HRS.: REASON Building Pressure to Flow.

GRAVITY 40 ° AT 60 ° FARENHEIT[illegible]

STRAPPING TABLE HIGH 1,000 BBLs. STEEL TEST TANK

(DOUBLE LOW 500 BBLS.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	¼ in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	½ in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	¾ in.	4.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		

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MODCO, INC.
MOAB, UTAH
P. O. Box 66

PUMPING OR FLOWING RECORD

MODCO, INC. — CLAIBORNE ET AL

CANE CREEK ANTICLINE

H. E. CLAIBORNE
Phone DUDLEY 40304
108 S. 3rd St.
LAS VEGAS, NEVADA

PAGE 46-45
DATE Oct. 14-15, '60

WELL NO. N.A.H. #2

FLOWING ☒ Agitating TYPE OF PUMP Amalcom 12" STROKE 54" Effective 28 IN. CAPACITY 117 Bbl. per day

PERFORATION FROM 6595 TO 6717 RD & Slotted PUMPING Yes HRS.: 6 FLWG. Yes HRS.: 6

SHUT DOWN 18 HRS.: REASON Building Pressure to flow.

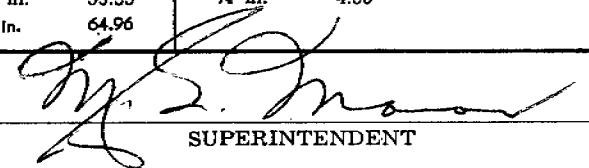
GRAVITY 40 ° AT 60 ° FARENHEIT

H R	TIME M	CSG PRESS	TBG PRESS	TANK NO.	GAUGE		DIFF		TOTAL BBLs.	CHOKE	% W BS		GAS M FT.	G-O	REMARKS
					FT.	IN.	FT.	IN.							
	8:00	154	1404	1	18	5 1/2									Believe additional pressure buildup
	8:00	154	2704	1	18	9 1/2		4 1/2	24.38 var		0	0		350-1	helped well flow. Got alight
															increased production over previous
															day. Will try further pressure
															buildup.
															Well now Produced 34 days total
															since Sept. 1, 1960. Down time
															caused by packer failure, rubber in
															ball and seat etc.
															Total Oil 1025.81 Bbl-31.85 * 1004.16
															Net Barrels for 34 Producing days

STRAPPING TABLE HIGH 1,000 BBLs. STEEL TEST TANK

(DOUBLE LOW 500 BBLs.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	1/4 in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	1/2 in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	3/4 in.	4.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		


SUPERINTENDENT

MODCO, INC.
MOAB, UTAH
P. O. Box 66

H. E. CLAIBORNE
Phone DUDLEY 40304
108 S. 3rd St.
LAS VEGAS, NEVADA

PUMPING OR FLOWING RECORD

MODCO, INC.—CLAIBORNE ET AL
CANE CREEK ANTICLINE

PAGE ~~47~~ 46
DATE Oct. 15-16 '58

WELL NO. ~~H.S.H. 12~~

FLOWING ☐
 PUMPING ☒
 TYPE OF PUMP Agitating Amclac 12" STROKE 54" Effective 38" IN. CAPACITY 117 Ml. per day

PERFORATION FROM 6595 TO 6717 ~~BT - 6717~~ PUMPING ~~Yes~~ HRS.: 12 FLWG. ~~Yes~~ HRS.: 18

SHUT DOWN 12 HRS.: REASON Build up pressure to flow

GRAVITY _____ ° AT _____ ° FARENHEIT

[illegible]

STRAPPING TABLE HIGH 1000 BBLs. STEEL TEST TANK

(DOUBLE LOW 500 BBLs.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	¾ in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	½ in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	¾ in.	4.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		

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INC.
UTAH
ox 66

MODCO, INC.—CLAIBORNE ET AL
CANE CREEK ANTICLINE

DATE **Oct. 17-18, 1959**

FLOWING ☒ TYPE OF PUMP Anelson 12' STROKE 54" Effective 28 IN. CAPACITY 117 Bbl. per day

PERFORATION FROM 6595 TO 6717 Ed. & Blotted JUMPING No HRS.: None FLWG. Yes HRS.: 2:15 Min.

SHUT DOWN _____ HRS.: REASON Building Pressure to Flow

GRAVITY 40 ° AT 60 ° FARENHEIT[illegible]

(DOUBLE LOW 500 BBLS.)

1 ft.	64.96	5 ft.	324.79	1 in.	5.41	5 in.	27.07	9 in.	48.72	¾ in.	1.35
2 ft.	129.92	6 ft.	389.75	2 in.	10.83	6 in.	32.48	10 in.	54.13	½ in.	2.71
3 ft.	194.88	7 ft.	454.71	3 in.	16.24	7 in.	37.89	11 in.	59.55	¾ in.	4.06
4 ft.	259.84	8 ft.	519.67	4 in.	21.65	8 in.	43.31	12 in.	64.96		

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLAND OFFICE Salt Lake City
LEASE NUMBER 064948
UNIT Unit 1, Block 1

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Wasatch Field San JuanThe following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1959, Harry L. Johnson, Jack Peterson & Co.Agent's address P.O. Box 65, Hatch, Utah Company Waco, Inc.Signed Harry L. JohnsonPhone 366-1111 Agent's title Supt.

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>SEC. 36</u> <u>1/4</u>	<u>26S</u>	<u>30E</u>	<u>63</u>	<u>16</u>	<u>850.61</u>	<u>30.6</u>	<u>Not known</u>	<u>None</u>	<u>73</u>	<u>Note: There were only 16 days of production due to packer failure, waiting on workover rig, unreasonable rain, pump adjustments, & gas locking in the well. (The water in column 10 is not formation water but rather a leak in the pump hanger between the 9 5/8 and the 7" above the packer.)</u>

NOTE.—There were 12 runs or sales of oil; 12 M cu. ft. of gas sold;12 runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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Los Angeles, Calif.
October 25th, 1959

U.S. Geological Survey
Salt Lake City, Utah

Attn: Mr. Don Russell, District Mgr.

Dear Mr. Russell,

The above is a photostatic copy of the tank guage and the remainder of oil in tanks after Mr. H. G. Henderson, Engineer for the State of Utah, Oil and Gas Commission bled the water off of the tanks on September 20th, 1959.

You will note that he drained 10 inches or 54.1 bbls off of Tank #1 which is the production tank. You will further note that he drained off 3'9 1/4" of water off of the loading tank or 244.8 bbls. This is a total of 298.9 bbls of fluid out of these two tanks. This Loading Tank was produced into the last of January and the first few days of February this year. I have been told that D. C. Randall had the records concerning this production and that several loads went out of this tank to "unstiek" pipe on some fishing jobs during the time that Randall took over for Wm. Gray while I was incarcerated at the pleasure of the County of Los Angeles from February 24th, 1959 to May 5, 1959. It then requised over two months to rescind a deal Mrs. Mason was forced to make while I was not available to protect her rights or assist in the operation of the property at Moab. So, for over 5 months neither I nor Mrs. Mason had anything to do with the property except to get stuck with \$29,980.00 worth of bills that Randall incurred in behalf of Gray et al. Just what oil was in this tank or what water was in this tank I do not know but I DO KNOW that when Mr. Claiborne et al took over in July or August that there was between 9 ft 11 1/2 in and 10 ft 1/2 in of fluid in this Shipping Tank and that I never bled this tank except as the gauge above and draining of the tank by Mr. Henderson.

WE shipped and sold 5856 gallons of Oil on the 16th of the month and an additional shipment of 35,550 gallons on the 22nd of this month or a total of 41,436 gallons or 986 plus bbls of oil. Of course, this was a little more than 135 bbls more oil than we made during the month of Sept. 1959. The rest of the Oct. production will be shipped early in November and a full report will reach you regarding sales, price, shipping costs and Oil on hand along with the other reports.

Trusting that this clears up this matter to your satisfaction, we remain,

Modco Inc., Harry E. Claiborne et al

by M. G. Mason, Superintendent

*copy made
or about 100
increasing this!*

MGM/ml

9-546
(September 1943)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Casper, Wyoming, Laboratory

INFORMATION TO BE FURNISHED WITH EACH SAMPLE

Marks on container Lab. No. **60-0 10** (Filled in by Chemist)

Field **Cane Creek (Wildcat), Utah** Farm or Lease **Salt Lake 064248-F**
(Serial Number)

Operator **M.C.M. Petroleum, Inc.** Address **Box 66, Moab, Utah**

Well No. **8**, **NE** $\frac{1}{4}$ **SE** $\frac{1}{4}$ sec. **36**, T. **26 S.**, R. **20 E.**, S. **L.** M.

Sample taken by **Don Russell** Date taken **10/5/59**

Name of sand (or formation) from which this sample
was obtained (if unknown or doubtful, so state) **Paradox**

Depth to top of sand **6615'** Depth to bottom of sand **6717'**

Depth well drilled **6717' (whipstock)** Present depth **6717'**

Depths at which casing is perforated **6595 - 6717'**

If drill stem test, depth at which packer is set

Depth at which last shut-off string of casing
is landed, cemented or mudded (state which)

Depths (if known) where water encountered **1410, brine solution 2590 - 2610'**

If acidized, dates, depths and gallons of acid

Place where sample was obtained (drill stem,
lead line, flow tank, bailer, etc.) **Bleed line at well head**

Method of production (flowing, pumping, air, etc.) **Pumping**

Initial Production:	Present Production:
Barrels Oil ?	Barrels Oil 20/day (?)
Barrels Water	Barrels Water
Gas Volume	Gas Volume
Rock Pressure	Rock Pressure

REASON FOR ANALYSIS **Future reference to determine if oil is similar to
previous sample.**

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

CRUDE OIL ANALYSIS

Condition of sample Trace of water present Laboratory No. 60-0 10
 Analysis by K. P. Moore Date 10/19/59

GENERAL CHARACTERISTICS

Specific Gravity 0.8148 A.P.I. Gravity 42.3
 Per cent Sulphur 0.09 Pour Point 50°F.
 Saybolt Universal Viscosity at 70°F. 111 (waxy) sec. Color Amber-green
 Saybolt Universal Viscosity at 100°F. 49.6 sec. Base Paraffin

DISTILLATION, BUREAU OF MINES, HEMPEL METHOD

Distillation at atmospheric pressure 635 mm Hg First Drop 29°C. (84°F.)

Fraction No.	Cut at °C.	°F.	Per Cent	Sum Per Cent	Sp.Gr. 60/60°F.	°A.P.I. 60°F.	C.I.*	S.U. Visc. 100°F.	Cloud Test °F.
1	50	122	3.2	3.2	0.849	86.5			
2	75	167	2.3	5.5	0.868	80.3	6.5		
3	100	212	3.8	9.0	0.710	87.8	17		
4	125	257	3.9	12.9	0.738	81.8	18		
5	150	302	4.0	16.9	0.749	87.4	18		
6	175	347	4.0	20.9	0.765	83.5	19		
7	200	392	4.4	25.3	0.778	80.4	19		
8	225	437	4.7	30.0	0.794	76.7	21		
9	250	482	5.0	35.0	0.811	73.0	24		
10	275	527	7.3	42.3	0.821	70.9	24		

*Note:- C. I. values calculated on basis of Bureau of Mines T. P. #610.

Distillation continued at 40 mm.

11	200	392	2.0	45.3	0.838	39.4	24	40	28
12	225	437	4.7	50.0	0.859	35.2	20	46	42
13	250	482	4.8	54.8	0.834	38.2	19	54	50
14	275	527	4.2	59.0	0.847	35.5	22	70	75
15	300	572	5.6	64.6	0.861	32.8	25	100	94

Residuum 34.1 66.5 0.891 27.3

Carbon residue of residuum 1.0% Carbon residue of crude 0.4%

APPROXIMATE SUMMARY

	Per cent	Sp.Gr. 60/60°F.	°A.P.I. 60°F.	Viscosity, secs.
Light gasoline	9.0	0.676	77.2	
Total gasoline and naphtha	25.5	0.729	69.6	
Kerosene distillate	18.0	0.811	43.0	
Gas oil	8.8	0.829	39.2	
Nonviscous lubricating distillate	11.6	0.842-0.868	36.6-32.7	Below 50
Medium lubricating distillate	2.7	0.862-0.871	32.7-31.0	50-100
Viscous lubricating distillate	--	--	--	100-200
Residuum	34.1	0.891	27.3	Above 200
Distillation loss	1.8	--	--	

9-546
(September 1943)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Casper, Wyoming, Laboratory

INFORMATION TO BE FURNISHED WITH EACH SAMPLE

Marks on container Lab. No. **60-0 7** (Filled in by Chemist)

Field **Cane Creek (Wildcat), Utah** Farm or Lease **Salt Lake 064948-F**
(Serial Number)

Operator **M.G.M. Petroleum, Inc.,** Address **Box 66, Moab, Utah**

Well No. **8**, **NE** $\frac{1}{4}$ **SE** $\frac{1}{4}$ sec. **36**, T **26 S.**, R **20 E.**, S. L. M.

Sample taken by **G. A. Hauptman** Date taken **9/3/39**

Name of sand (or formation) from which this sample
was obtained (if unknown or doubtful, so state) **Paradox**

sh. & dol. Depth to top of **XXX** **6615'** **sh. & dol.** Depth to bottom of **XXX** **6717'**

Depth well drilled **6717' (whipstock)** Present depth **6717'**

Depths at which casing is perforated **6595 - 6717'**

If drill stem test, depth at which packer is set

Depth at which last shut-off string of casing
is landed, cemented or mudded (state which)

Depths (if known) where water encountered **brine solution at 2590 - 2610'**

If acidized, dates, depths and gallons of acid

Place where sample was obtained (drill stem,
lead line, flow tank, bailer, etc.) **Flow line**

Method of production (flowing, pumping, air, etc.) **Pumping**

Initial Production:	Present Production:
Barrels Oil ?	Barrels Oil 100 ?
Barrels Water	Barrels Water
Gas Volume	Gas Volume
Rock Pressure	Rock Pressure

REASON FOR ANALYSIS **Future reference**

Note: A sample for analysis is of no value unless accompanied by above information. Complete information on this form is to be attached to each sample container; otherwise sample will be disregarded. Be sure to seal or tightly cork all containers immediately after sampling and label all samples so that there will be no confusion.

CRUDE OIL ANALYSIS

Condition of sample Contained approx. 1% water Laboratory No. 60-0 7
 Analysis by K. P. Moore Date 10/13/59

GENERAL CHARACTERISTICS

Specific Gravity 0.8398 A.P.I. Gravity 37.0
 Per cent Sulphur 0.17 Pour Point 50°F.
 Saybolt Universal Viscosity at 70°F. 74.0 sec. Color Amber-green
 Saybolt Universal Viscosity at 100°F. 55.5 sec. Base Intermediate-paraffin

DISTILLATION, BUREAU OF MINES, HEMPEL METHOD (On dehydrated sample)

Distillation at atmospheric pressure 657 mm Hg First Drop 37°C. (99°F.)

Fraction No.	Cut at °C.	°F.	Per Cent	Sum Per Cent	Sp.Gr. 60/60°F.	°A.P.I. 60°F.	C.I.*	S.U. Visc. 100°F.	Cloud Test °F.
1	50	122	tr	tr					
2	75	167	1.3	1.3	0.878	77.2			
3	100	212	1.3	2.6	0.705	69.8	13		
4	125	257	2.3	4.9	0.722	62.9	16		
5	150	302	3.2	8.1	0.750	57.2	19		
6	175	347	3.7	11.8	0.769	52.5	21		
7	200	392	4.1	15.9	0.784	49.0	22		
8	225	437	6.5	22.4	0.806	44.1	27		
9	250	482	9.8	32.2	0.832	38.6	34		
10	275	527	12.2	44.4	0.841	36.8	35		

*Note:- C. I. values calculated on basis of Bureau of Mines T. P. #610.

Distillation continued at 40 mm.

11	200	392	3.3	47.7	0.844	36.2	31	41	24
12	225	437	5.8	53.5	0.840	37.0	25	48	42
13	250	482	5.2	58.7	0.841	36.8	22	54	60
14	275	527	5.1	63.8	0.855	34.4	25	79	60
15	300	572	4.8	68.6	0.866	31.9	26	116	94

Residuum 31.4 100.0 0.898 26.1

Carbon residue of residuum 2.4% Carbon residue of crude 0.8%

APPROXIMATE SUMMARY

	Per cent	Sp.Gr. 60/60°F.	°A.P.I. 60°F.	Viscosity, secs.
Light gasoline	2.6	0.692	73.0	
Total gasoline and naphtha	15.9	0.751	58.9	
Kerosene distillate	6.5	0.806	44.1	
Gas oil	30.6	0.838	37.4	
Nonviscous lubricating distillate	11.1	0.841-0.861	36.8-32.8	Below 50
Medium lubricating distillate	4.8	0.861-0.872	32.8-30.8	50-100
Viscous lubricating distillate	--			100-200
Residuum	31.4	0.898	26.1	Above 200
Distillation loss	0			

Produced & stored
7-6

Status
#2
Modco, Inc. Gent
Cane Creek Area
Grand Co, Utah

The well is inactive. As of 6/16/59 there were approximately 1000 barrels of oil in storage. No oil has been sold. No measurable increase in stored oil since 3/30/59 when I gauged it.

Mason has closed down his office. I called Duane Randall yesterday. He is on verge of quitting and refused to turn in a status report. Mason and William O. Gray are fighting for control of the operation. Randall and Poteeti are ready to go into court for their wages. Maybe we should go to court for our status report, or production report - or maybe just drop it from our reports, and I can watch the property for further activity. Please notify Don Russell.
Noe

HARRY E. CLAIBORNE

ATTORNEY AT LAW
108 SOUTH THIRD STREET
LAS VEGAS, NEVADA
DUDLEY 4-0304 - DUDLEY 4-0305

September 17, 1959

7/14
11-2-59

Mr. Charles Hauptman, Supervisor
State of Utah Oil & Gas Commission
State Capitol Building
Salt Lake City, Utah

Dear Mr. Hauptman:

Enclosed please find pumping and flowing records from August 30, 1959 to and including September 15, 1959, on the Modco. Inc. - Claiborne, et al., M.G. M. #2 Well, located in the Kane Creek Anticline near the town of Moab, Utah, and being situate in Grand and San Juan Counties, Utah.


As you know, this particular well is under test for purposes of unitization as a producing unit. We are currently using an Axelson working barrel pump, and many adjustments have been necessary, both on the pump power unit and the jack. Mr. Mason informs me that he talked to Mr. Schwabrow yesterday and secured verbal permission to ship and sell oil to Western States Refining Co. in Salt Lake City on a temporary basis. A sample of the oil is being delivered this weekend to Western States, and if the same is approved for running through their new catalyst unit, they will purchase the oil. Shipment of the same is expected to be started during the ensuing week. Any further information that we may deliver or furnish to you regarding this well, its test, or any pertinent data that you desire, please call on us and if possible we will furnish it at once. We will keep you informed as to the test and submit further pumping and flowing records as they occur, together with Lessees monthly statement of work done on the well. A workover rig is ordered for this afternoon to run a packer in the well to control the gas and production more favorably.

We wish to thank you for your courtesy and cooperation in this matter as it is most vital to us. May we assure you that we will cooperate to the last detail with the departments involved. Thank you again for your many courtesies.

Yours very truly,

MODCO, INC. and HARRY E. CLAIBORNE

By:


Operator

September 21, 1939

Mr. Don F. Russell, District Engineer
U. S. Geological Survey
Post Office Building
Salt Lake City 11, Utah

Re: Production Test of Well No. 2,
Cane Creek Field, Grand County, Utah

Dear Sir:

Pursuant to your request that, while I would be in Grand County on a field inspection trip, I visit Cane Creek for the purpose of witnessing M. G. Mason's pumping test of his No. 2 well.

On Wednesday, September 2, I did visit Mason's operations at Cane Creek. When I arrived at the lease, Well Medco, Inc. - M.G.M. No. 2 was pumping into 1000 barrel field tank No. 1, through a gas separator. From the separator a two-inch line lead off to a flare where a four-foot flame was burning.

At 10:45 a.m. on September 2, I took the first gauge on production from this well into tank No. 1 which read: 5'-11" of fluid. At 4:15 p.m. I again took a gauge reading of 6'-5 $\frac{1}{4}$ " before leaving for Moab. At 10:45 a.m. on September 3, again I gauged this tank obtaining a gauge reading of 8'-2 $\frac{3}{4}$ ".

With a strapping on this B.S&B tank of 67'-9 $\frac{3}{4}$ ", height, deck to bottom of 16'-1 $\frac{1}{4}$ ", the tank table gives 5.41 barrels per inch of gauge height.

Computation of the above gives a volume of 150 $\frac{1}{2}$ barrels of fluid into No. 1 tank for the 24 hour period. At the end of the 24 test, I took a one-gallon sample of fluid from the bleeder valve at the tubing head. Upon standing for 24 hours, this sample showed from 1/3 to 1/2 of the gallon as non-settling sandy mud or emulsion. It was accordingly concluded, since I was unable to "chief" the contents of tank No. 1, that a sizable amount of the 150 barrels of fluid pumped during the 24 hour test was not oil. Upon return to Salt Lake City in your office, a gravity test of the oil sample gave a figure of 30.0° A.P.I. corrected to 60° F.

Mr. Don F. Russell, District Engineer
U. S. Geological Survey

September 21, 1959
Page No. Two

I was told by Mason, during the test I witnessed, that he started the pumping test at 8:30 a.m. on August 30, with a bottom gauge in tank No. 1 of 0'-4" and by 10:45 a.m., September 2, the well had pumped, and flowed through the pump, the fluid which I first gauged at 5'-11" on September 2.

Field tank No. 1 is one of four similar tanks in the battery. The other three tanks, No. 2, No. 3 and No. 4, gauged before and after the test, showed: No. 2 with 0'-10 $\frac{7}{8}$ "; No. 3, 0'-2"; No. 4, 0'-4".

A fifth 1000 barrel-B.S.&B.-^{foot}sixteen-foot tank at Well No. M.G.M. on the location to the west, had a content of 9'-11 $\frac{1}{2}$ " of fluid. With the aid of a two-gallon pail, I took a sample from five feet below the surface -- good clean oil, which gave an A.P.I. reading of 36.7°, corrected to 60° F. on the hydrometer later in your office. I was informed by Mason that this tank of oil had been produced from Well No. 2 in February. That being the case would account for the lower gravity observed on this oil sample.

The observed tubing pressure on Well No. 2 during the pumping test varied frequently between 80#/sq. in. to 200 #/sq. in.

Another rectangular steel tank 8' X 16' X 4' high near the mud pit contained 10 $\frac{1}{2}$ " of oil, (water had been drained off). This tank interconnected to the five 1000-barrel tanks and a gas engine driven shipping pump posed quite a maze of 2" pipe line connections on the lease.

According to Mason, Well No. 2 has a total depth of 6717'. Pay zone: 6595'-6717'. Gas anchor set at 6713'. Tubing perforations at 6707-6701'; working barrel (Axelson) 1 $\frac{1}{8}$ " bore - 54" stroke on rods; speed of pump: 14 strokes/min. Pump capacity: 117 barrels/day.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION


C. A. HAUPTMAN
PETROLEUM ENGINEER

CAN:co

September 21, 1959

Don Russell, District Engineer
United States Geological Survey
Post Office Building
Salt Lake City, Utah

Dear Mr. Russell:

In regard to our telephone conversation last Friday morning, this is to inform you that on Tuesday, March 31, 1959, I visited the property of Cane Creek Oil and Gas Corporation and gauged all tanks on that property, obtaining the following volumes:

- (1) 1 high 1,000-barrel tank, 3 feet 9 inches
- (2) 1 high 1,000-barrel tank, 11½ inches
- (3) 1 high 1,000-barrel tank, 10 feet 11½ inches
- (4) 1 open flat steel tank, 3 feet 8 ¾ inches
(1.75 barrels per inch)

No other tanks on the lease contained any oil. The tank bottoms were checked and it was ascertained that there was no water at the bottom of the tanks. The above gauges would total approximately 1,057 barrels of oil and would represent all oil on the lease at that time.

These properties were visited again on Tuesday, June 16, 1959. At that time the Modco #2 pump was inoperative. Although the tanks were not gauged, by visual inspection it was determined that the total volume of oil on the lease was approximately 1,000 barrels. At this time Mr. Duane Randall informed me that the above lease was presently inactive.

Yours very truly,
OIL & GAS CONSERVATION COMMISSION

H. G. HENDERSON
Petroleum Engineer

HGH/clp

September 22, 1959

Don Russell, District Engineer
United States Geological Survey
Post Office Building
Salt Lake City, Utah

Dear Sir:

On Sunday, September 20, 1959, I visited the properties of M. G. Mason on Cane Creek Anticline, Grand County, Utah. At that time he had replaced his production packer and had just begun swabbing. While I was there, he swabbed the well down to approximately 4000 feet, recovering some 37 or so barrels of load water with small percentages of oil and gas.

I gauged all tanks on his lease, measuring the following amounts of oil:

Tank No. 1, 14' 2½" before water bled off, 13' 4½" after water bled off

Tank No. 2, 0' 10 7/8"

Tank No. 3, 0' 2"

Tank No. 4, 0' 4"

Load Tank, 10' 0¼" before water bled off, 6' 3" after

(All tanks were high 1,000's.)

The flat rectangular steel tank was being swabbed into and contained an indeterminate amount of water and oil.

Yours very truly,
OIL & GAS CONSERVATION COMMISSION

H. G. HENDERSON
Petroleum Engineer

HGH/clp

Oil and Gas Leasing Branch
457 Federal Building
Salt Lake City 1, Utah

October 1, 1959

Memorandum

To: Regional Oil and Gas Supervisor, Casper
From: District Engineer, Salt Lake City
Subject: Proposed Cane Creek Unit, Grand County, Utah

Enclosed are copies of letters dated September 21 and 22, 1959, from C. A. Hauptman, and H. G. Henderson regarding their individual visits to M.G.M. #2, Salt Lake 064948-F, NE 1/4 sec. 36, T. 26 S., R. 20 E.

On September 22 I left Salt Lake City to see if I couldn't make a continuous visit at the well for a period of at least 24 hours while oil was being pumped. However, upon my arrival in Moab I met Mason at the motel where he is staying and found the well was not on production but crew was attempting to run a packer to shut off water. An engineer from Brown Packer Company, Odessa, Texas, had just arrived and was to set the packer next day. Finally after a number of attempts the packer was set about 7:30 p.m. September 23.

The tanks were gauged at 11:00 a.m. on September 23 after bleeding about 7" water from the tank on the hill or as Henderson termed it "load tank". Notice in his letter of September 22, he had bled 3'-9 1/2" water from this tank on September 20, and gauged the fluid at 6'-3". However, just 3 days later I gauged that tank at 6'-6-7/8" after bleeding off water. Mason said the tank bottom is not uniformly level so we have evidently measured to a different point on bottom. In my opinion Mason should be producing so much oil to substantiate his claim of a commercial well that a matter of 4" or even 8" would not be enough to matter in our final decision on the well. The other tanks were gauged in rather close agreement to Hauptman and Henderson.

Tank No. 1 (1000 bbl)	13'-3-3/4"
2 (1000 bbl)	10-7/8"
3 (1000 bbl)	2"
4 (1000 bbl)	4"

The square receiving tank contained only about 1" oil and the remainder water.

14 - 9
6 - 7
21 - 4

I would say the well has produced about 280 barrels fluid from August 30, 1959 to the morning of September 24. Even with the water bled off we can't say the production is pipeline oil because the sample caught by Hauptman on September 23 contains an emulsion or floc material which becomes apparent when the sample is allowed to stand overnight in a glass container. We are forwarding the sample to your office for analysis.

Next week I am again planning on visiting the well and if production of oil is being maintained, will collect another sample for comparison purpose.

D. F. Russell

Enclosures

October 5, 1959

Mr. Don F. Russell, District Engineer
U. S. Geological Survey
Federal Building
Salt Lake City, Utah

Dear Mr. Russell:

On Thursday, October 1, 1959, I visited Modco Inc. Well No. MGM 2, at Cane Creek.

When I arrived at 10:00 a.m., a pulling machine was in the process of pulling the tubing to check the packer. The story told to me by the foreman was that the packer had given away about three days before, and water above the packer had entered the production zone. While I was there, they got the packer out and examined it. It was apparent that the "J" lug on the mandrill barrel had sheared when the packer was set.

Tank Gauges

Battery No. 1 - Tank No. 1 ----13' 11-3/4" -- 907.5 total barrels. Tanks 2, 3, and 4 of Battery No. 1 had only a few inches of BS & W in the bottom.

The tank No. MGM on the hill to the west had 6' 1/2" of oil. When Mr. Hauptman gauged this tank, I noted in his letter, the tank contained 9' 11 1/4".

I checked both tanks for water and neither had any.

The two tanks on the east side of the lease contained only several feet of water. I was told that it was river water.

I returned to Mason's well Friday, October 2, 1959. He was swabbing the well and getting some oil -- mostly water.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION


HARVEY L. COONTS
PETROLEUM ENGINEER

HLC:co

Oil and Gas Leasing Branch
457 Federal Building
Salt Lake City 1, Utah

October 13, 1959

Memorandum

To: Regional Oil and Gas Supervisor, Casper
From: District Engineer
Subject: Lease Salt Lake 064948-F

The subject lease was visited October 6, 1959, with intention of staying at well No. 2 for at least a 24-hour period. However, after producing oil at infrequent intervals for 4 or 5 hours the pump began malfunctioning which Mason explained as being a small piece of rubber or foreign material lodged between the seat and ball of the standing valve. Production became nearly 100% water and Mason decided to call in a pump man and workover rig. The tanks were gauged as follows:

Tank #1 14'-11-7/8" (no water)
Tank 2, 3, 4 very small amount of BS and oil in bottoms. Same as last gauge.
Load tank or hill tank - bled off water and then gauged 6'-1".
Square tank or receiving tank - bled off several inches water then gauged 10 1/2".

Collected sample fluid from bleed line at well head.

D. F. Russell

2 cc: State

October 14, 1959

Modco, Inc.
P. O. Box 66
Moab, Utah

Attention: Mr. M. G. Mason

Dear Sir:

We have received your production records for September, 1959. Inasmuch as some skeptical remarks have been made in our presence regarding the producibility of the Modco #2 well, and in view of your own remark to me that you have not yet sold any oil, we are somewhat puzzled as to what has been done with a substantial amount of the production. Our records show that with your September production and oil already on hand, you should have more volume on hand than recent gauges show.

Accordingly, in order to erase the question in our minds, we request a report from you accounting for the disposition of all oil produced on the lease since January 1, 1959.

Thank you.

Yours very truly,
OIL & GAS CONSERVATION COMMISSION

H. G. HENDERSON
Petroleum Engineer

HGH/cln

Oil and Gas Leasing Branch
457 Federal Building
Salt Lake City 1, Utah

October 14, 1959

Subject: Salt Lake 064948-F, Grand
County, Utah

M. G. M. Petroleum, Inc.
P. O. Box 66
Moab, Utah

Attention: Mr. M. G. Mason

Gentlemen:

I am somewhat concerned that you have not written or phoned to this office to advise us as to whether or not you have pulled and reset the pump in your well No. 2, NE1/4 sec. 36, T. 26 S., R. 20 E.. Insofar as we are concerned the test is not yet conclusive as to whether or not the well is a commercial oil well. As you know I have never yet been able to watch this well produce over an extended period of time and I do think a commercial well should be capable of producing oil for days at a time throughout a test period of several months and that a witness should be able to go to the well unannounced and see that oil is being produced for a great deal longer period of time than the 3 or 4 hours which I have seen.

I would suggest you prepare the well for continuous production either by pumping or by moving in a snubbing unit if the mechanical condition of the well is such that continuous pumping cannot be maintained, and that you do not attempt to coast along the remainder of the month by claiming continuing mechanical failures.

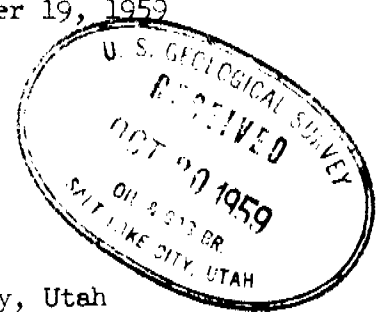
Very truly yours,

(Orig. Sent by E. Russell)

D. F. Russell
District Engineer

cc: Casper

Moab, Utah
October 19, 1959



U. S. Department of the Interior
Geological Survey
457 Federal Building
Salt Lake City 1, Utah

Subject: Salt Lake 064948-F - Grand County, Utah

Attention: Mr. D. F. Russell, District Engineer

Dear Mr. Russell:

Your letter of October 14 was received with complete amazement. You no doubt have forgotten that when you and Mr. Canfield were at the property and the pump went wrong I told you that it would be pulled, repaired and back on production in two or three days at the very most and resume agitating and pumping.

On receipt of your letter I immediately telephoned to you at your office to tell you that the well had been producing since last Monday. However, I was informed that you would not be in your office until the first of this week. Mr. Harvey Coonts, engineer for the Utah Oil and Gas Commission, dropped by the well on October 12 at approximately 9:00 a.m. in company with Mr. Norman and saw the well flowing strongly through the separator with the pumping unit shut down. He made the comment that, "The well looks real good", and said he would notify you promptly by telephone and write you a letter if you so desired having one from him.

In reply to your statement that "a witness should be able to go to the well unannounced and see that oil is being produced", I believe Mr. Coonce and Mr. Hauptman and Mr. Henderson will confirm the fact that their visits have never been announced or expected. I also believe that you will admit that the only occasion since you have been stationed at Salt Lake City and visiting our properties when I knew of your expected arrival at the property was when you came to the property with Mr. Canfield, arriving on Tuesday at approximately 10:00 a.m. when I expected you on Monday as Mr. Canfield told me he was coming down with you. You, yourself, told me that the "proof of the pudding" was the oil produced and sold, and certainly it is to the mutual advantage of the U. S. Government and the companies which I represent as superintendent to produce and save and sell oil.

I think I need not remind you that several million dollars have been spent in the best of faith, in fact 3½ million dollars plus whatever Texas Gulf spent, which I understand was nearly a million, to produce oil on this property and to develop a method of drilling the same. With only a limited production, proof has been had that the property contains oil of

Mr. D. F. Russell (Continued)

October 19, 1959

high quality and with the drilling procedures and methods worked out that we have now, a large and prosperous field is almost a certainty.

In regard to the last paragraph of your letter, since the packer is now holding and the well is pumping practically continuously, no swabbing unit is required.

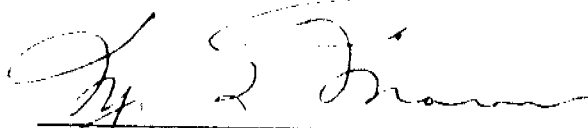
Further, I believe, Mr. Russell, that you will recall that I phoned you at your home on Sunday, August 30, 1959, at approximately 9:00 p.m. to notify you the well was on production and asked you to come and observe the well, at which time you told me that you would do so or that Mr. Charles Hauptman of the Utah Oil and Gas Commission would come down and observe the well for the State of Utah and/or your Department. Mr. Hauptman did come down and observed the well over a 24 hour period with a few hours out for sleep. The well produced 150.127 barrels over the 24 hour period of his observation. The "flock", or emulsion, that was present in his sample, not taken from the well bleeder but rather from the tank No. 1 into which we were producing, was caused by the presence of some MGCL water that was dropped on the formation while fishing out the packer and re-running the same. Outside of the difficulties encountered in making a packer of special design hold and intermittently pulling the well to keep the well safe and to prevent the MGCL water from further emulsifying the pay section, quite a little time has been lost during the test period, but if you will note on the daily reports up to and including October 15, the well has produced 1004 barrels of oil, which I think is a rather good showing for only 24 days actual production.

Thank you for your cooperation in all that you can or may do in making our efforts a mutual reality and a profitable one, both to our companies and to the U. S. Government.

Very truly yours,

MODCO, INC.

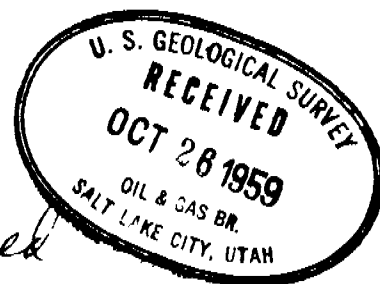
Harry E. Claibourne, et al



M. G. Mason
Superintendent

MGM/bl

Tank gauge 10 AM Sunday
Sept 20, 1959



Tank #1 14'-2 1/2" before bleed
water off

13'-4 1/2" after bleed
water off

Tank #2 - 0'-10 7/8"

Tank #3 - 0'-2"

Tank #4 - 0'-4"

Loading tank - 10'-0 1/4" before
(MGM Tank) bleed water off

6'-3" after
bleed off water

H. G. Henderson
Oil & Gas Commission
Pet. Engr.

Los Angeles, Calif.
October 25th, 1959

U. S. Geological Survey
Salt Lake City, Utah

Attn. Mr. Don Russell, District Engr.

Dear Mr. Russell:

The above is a photostatic copy of the tank gauge and the remainder of oil in tanks after Mr. H. G. Henderson, Engineer for the State of Utah, Oil and Gas Commission bled the water off of the tanks on Sept. 20th, 1959.

You will note that he drained 10 inches or 54.1 bbls. off of Tank #1 which is the Production Tank. You will further note that he drained off 3'9 1/2" of water off of the loading tank or 244.8 bbls. This is a total of 298.9 bbls. of fluid out of these two tanks. This Loading Tank was produced into the last of January and the first few days of February this year. I have been told that D. C. Randall had the records concerning this production and that several loads went out of this tank to "unstick" pipe on some fishing jobs during the time that Randall took over for Wm. Gray while I was incarcerated at the pleasure of the County of Los Angeles from February 24th, 1959 to May 5, 1959. It then required over two months to rescind a deal Mrs. Mason was forced to make while I was not available to protect her rights or assist in the operation of the property at Moab. So, for over 5 months neither I nor Mrs. Mason had anything to do with the property except to get stuck with \$29,980.00 worth of bills that Randall incurred in behalf of Gray et al. Just what oil was in this tank or what water was in this tank I do not know but I DO KNOW that when Mr. Claiborne et al took over in July or August that there was between 9ft. 11 1/2 in. and 10ft. 4 in. of fluid in this Shipping Tank and that I Never bled this tank except as the gauge above and draining of the tank by Mr. Henderson.

We shipped and sold 5856 Gallons of Oil on the 16th of the month and an additional shipment of 25,550 gallons on the 22nd of this month or a total of 41,436 gallons or 986 plus bbls. of oil. Of course, this was a little more than 135 bbls. more oil than we made during the month of Sept. 1959. The rest of the Oct. production will be shipped early in November and a full report will reach regarding sales, price, shipping costs and Oil on hand along with the other reports.

Trusting that this clears up this matter to your satisfaction, we remain,
Modco, Inc., Harry E. Claiborne et al

by

[Signature] Sept.

proof
Office Memorandum • UNITED STATES GOVERNMENT**TO : D. F. Russell, Salt Lake City, Utah****DATE: 10/20/59****FROM : K. P. Moore, Casper, Wyoming****SUBJECT: Cane Creek Crude Oil Samples -- Paradox production**

Attached are test reports covering analyses of two samples of crude oil collected from M.G.M. Petroleum, Inc. well #2, NE SE $\frac{1}{4}$, sec. 36, T. 26 S., 20 E., in the Cane Creek area.

Comparison of the data obtained on the two samples does not immediately point to a common source for them. However, it now seems possible that the sample collected on September 3 (Lab. No. 60-0 7) may have carried some amount of contamination in the form of diesel fuel oil. As the tests on this sample were being made it seemed odd that a crude oil exhibiting such predominantly paraffinic characteristics at both ends of the distillation range should carry such a large amount of gas oil with marked naphthenic properties. In checking the files on this well a reference to the use of diesel fuel was noted. I have been advised that this oil was probably used in making up the drilling mud used in connection with this well. If that is the case could some of the diesel fuel oil have been lost into the oil bearing Paradox zone and then have been produced as a contaminant in the first crude oil recovered from the well? In the sample collected on October 5 (Lab. No. 60-0 10) the presence of the excessive gas oil fraction is no longer apparent.

As shown on the test report, the first sample contained considerable moisture emulsified with the oil -- approximately 19% by volume. The second sample collected showed only a trace of water present. Could the excessive amount of water in the first sample have been spent acid following acid treatment of the producing formation?

*K. P. Moore***NOTED -- SCHWABER**

Los Angeles, Calif.
October 25th, 1959

U. S. Geological Survey
Federal Bldg.
Salt Lake City, Utah

Attn: Mr. Don Russell, District Engr.

Dear Mr. Russell:

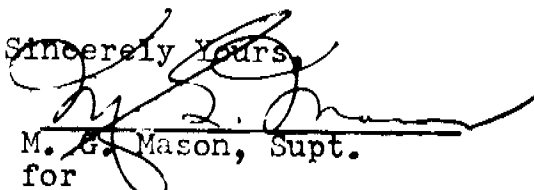
Enclosed please find tank guage showing water bleed-off by Mr. Henderson as of Sept. 20, 1959 and shipment of oil of 5856 gallons on the 16th of October and 35,550 gallons of oil on the 22nd of October for a total of 986 plus bbls.

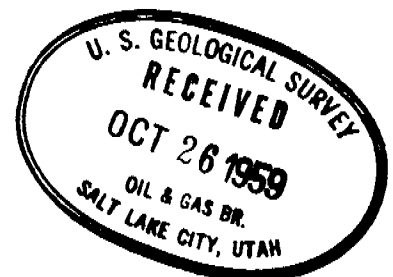
September
These shipments are all of the month of ~~October~~ production (which was slightly more than 850.00 bbls.) and some of the month of October production plus the oil that is in the tanks that I will make a report to you at the close of the month on the regular lessees form.

I wrote you under separate cover in re the plugging of the Americol well "Mason #1" and trust that we will be able to discuss this matter in the very next few days and accomplish this job as soon as we have a plugging procedure worked out that is satisfactory.

Thanking you for the many favors of the past, I remain

Sincerely Yours,


M. G. Mason, Supt.
for
Modco, Inc. &
Harry E. Claiborne et al



DUANE C. RANDALL
CONSULTING GEOLOGIST
338 Tusher
POST OFFICE BOX 66
MOAB, UTAH
Oct. 27, 1959

*file
mod 20 #2*

Mr. H. G. Henderson
Oil & Gas Conservation Commission
Room 310 Newhouse Bldg.
Salt Lake City, Utah

Dear Sir:

Mr Hauptman has asked me to inform you of any use, sale or disposal of crude oil from the Cane Creek leases during the period when Mr. Mason was not in direct charge. From the completion of the workover in late January to approximately July 1st there were only 1500 gallons (truck capacity) off crude oil taken from the tanks or directly from the well for any lease use, well use, sale, gift or trade. The 1500 gallons were picked up by the local Phillips distributor, Mr. Ken MacDougald for use in freeing stuck drill pipe on a rig which Phillips was servicing. As it was an emergency I authorized the release of the oil. However I do not know whether it was finally handled as a sale or as a reduction in the Masons account with Phillips.

To my knowledge, which is quite comprehensive, this was the only use of any description of oil produced from the Cane Creek Leases,

Yours very truly,


Duane C. Randall

Branch of Oil and Gas Operations
457 Federal Building
Salt Lake City 1, Utah

71/H
1-11-60

November 13, 1959

Subject: Salt Lake 064948-F,
Grand County, Utah

Modco, Inc.
P. O. Box 66
Moab, Utah

Attention: Mr. M. G. Mason

Gentlemen:

As of this date we have not been informed of the disposition our Washington office has made of your pending unit application and/or extension of subject lease. However, in the meantime there are several matters which should be attended to whether or not the area is unitized. On October 30 you orally gave Mr. McGrath and myself the production figures for the period October 18 through 29. All the other production for the previous several weeks was submitted on a "Pumping or Flowing Record" sheet for each day. We would appreciate receiving such sheets for the final 14 days of the test period.

The matter of interconnecting lines between storage tanks on lease Salt Lake 064948-F and the single tank on 064948-C, has been a source of conflict and is in violation of Part 221.33 of the Oil and Gas Operating Regulations. We did not force the issue during the test period because of time element and the fact your loading facilities involved the tank on 064948-C. We now request you remove any type connection, pipeline or otherwise, between the two leases. You will have to devise another loading system to withdraw oil from the battery of tanks on 064948-F.

We also request you either treat the tank bottoms in each tank for removal of BS & W or transfer and store in one tank until such time as you are equipped to treat the bottoms. In some tanks the tank bottoms are so thick and viscous the gauging weight will not readily sink to bottom.

Again we urge you to consider plugging and abandoning well 1 on Salt Lake 064948-C and the Mason No. 1 on lease Utah 0496-A drilled by Americol Petroleum, Inc.

Very truly yours,

cc: State
Casper
Harry E. Claiborne

(Cpg. Sgd.) D. F. RUSSELL

D. F. Russell
District Engineer

TRANSCONTINENTAL OIL CORPORATION

**3620 BLACKBURN ROAD
CALGARY, ALBERTA**



May 24, 1960

**Mr. Don Russell
District Engineer
United States Geological Survey
Federal Building
Salt Lake City, Utah**

Dear Mr. Russell:

**Re: U-017497 and SL-064948
and derivatives oil and
gas leases**

Please be advised that:

- 1. This company now owns 50% of the working interest in the above described leases.**
- 2. This company has been designated operator by an operating agreement dated April 20, 1960, which was signed by all the registered parties of interest and subsequently filed with the Bureau of Land Management.**
- 3. This company is qualified to do business in the State of Utah, and its address for service is 1320 Continental Building, Salt Lake City, Utah.**
- 4. This company has posted a bond in the amount of \$5,000.00 with the Director of the State Land Board covering Lease No. SL-064948-C State on which the M.G.M. No. 1 well is located.**
- 5. This company has received confirmation from the Wells-Beckner Company in Grand Junction, Colorado, that a \$5,000.00 bond has been approved to secure the United States with respect to SL-064948F lease on which the M.G.M. No. 2 well is located, and Texas Gulf No. 1X abandoned well. This bond will be filed with the Bureau of Land Management as soon as our attorney, Mr. Don Schwinn, receives the same which will probably be before you receive this letter.**
- 6. We recently filed with you a notice of intent to re-work the M.G.M. No. 1 well. In this respect, we moved in our Walker-Neer 32 Special spudder with the**

NOTED - RUSSELL

COPY FORWARDED TO CASPER

Mr. Don Russell
May 24, 1960
Page Two

intention of recovering a fish which consists of two joints of 3" drill pipe, and drilling out cement plugs prior to treating the formation in an effort to obtain production. We found, however, that there was cement on top of the fish, and it will be necessary to wash over it. Consequently we will be delayed since this requires equipment with a rotary attachment, and the Colorado River has flooded over the road.

We now plan to move our rig to the M.G.M. No. 2 well and re-complete the same. In this regard, we are enclosing four copies of a notice of intent for your files, which we believe are self-explanatory.

We are also enclosing four copies of a notice of intent to re-open the Texas Gulf No. 1X well with the intention of conducting further tests and deepening to the McCracken sand, which we expect to encounter before 8300 feet.

As a result of our being designated operator, and the posting of a bond with the Director of the State Land Board with respect to Lease No. SL-064948-C State, we are hereby requesting and authorizing you to release the bond previously posted on the M.G.M. No. 1 well to the principal, which we believe to be M. G. Mason.

Mr. Mason has advised us that he will be filing the monthly reports with your office up to the end of April, and our reports will commence as of May 1, 1960.

Your assistance and co-operation to date has been greatly appreciated.

Yours very truly,

TRANSCONTINENTAL OIL CORPORATION

Orville V. Burkinshaw
Orville V. Burkinshaw
PRESIDENT

OVB/ah
Encls.

cc: Mr. M. G. Mason
3610 Oakdell Lane, Studio City, California

Bureau of Land Management
Department of the Interior, Salt Lake City, Utah

Mr. Frank Allan, Director
State Land Board, Utah

United States Geological Survey
Area Engineer, Moab, Utah

State
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5
Approval expires 12-31-60

LAND OFFICE

LEASE NUMBER

UNIT

Salt Lake

SL 064948F

LESSEE'S MONTHLY REPORT OF OPERATIONS

State *Utah* County *Grand* Field *Cane Creek*

The following is a correct report of operations and production (including drilling and producing wells) for the month of *June*, 19*60*,

Agent's address *3630 Blackburn Road* Company *Transcontinental Oil Corp.*

Signed *W.B. Burksman*

Phone *CH 31384* Agent's title *Pres.*

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<i>N.E. S.E.</i>	<i>26S</i>	<i>20E</i>	<i>2</i>	<i>NIL</i>	<i>NIL</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>Packer let go allowing water intrusion from upper zones into pump. Pump seized and rods parted. Attempted to pull with 32 special walker - Neer Rig. Rig too small and river road flooded. Moved rig unto lease July 15 T to rework T.G.P. 1X and will service this well next.</i>

NOTE.—There were *No* runs or sales of oil; *No* M cu. ft. of gas sold,

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

August 4, 1960

Mr. Don Russell
Area Engineer
United States Geological Survey
Federal Building
Salt Lake City, Utah

Dear Sir:

Re: Texas Gulf Producing Federal 1X
and M. G. M. No. 2 Wells
Grand County, Utah

During the month of July, 1960, the following work was conducted on the above wells.

On July 1st at 4 P.M., a truck mounted Franks rig was moved on location (Texas Gulf Producing Federal 1X), and following rigging up and the July 4th holiday, the drilling of plugs was commenced July 5, 1960. The surface plug was approximately 10 ft. thick of good cement, the second plug was encountered at 1800 ft., and was of good quality cement, approximately 20 ft. thick. The third plug was encountered at 3650 ft. and was good cement for the first 15 ft. with softer pockets below. We ceased drilling at this point, and may or may not be through the plug. Due to the fact that the well was cased with large casing, its capacity to 3700 ft. was approximately 440 barrels. This would require more pump capacity than this rig could provide, the deficiency of which would allow excess settling out and possibly sticking the bit.

Consequently you were contacted by telephone and gave verbal approval to my request to move this rig over to service M.G.M. No. 2 and move in a larger rig onto Texas Gulf 1X. I had tentative arrangements for a Unit 15 which I was assured was available and I had also obtained approval from my associates to make the change. This request was made in good faith, but some difficulties arose re trucking and with certain New York interests involved. This created some delay, but I am happy to report that it is now resolved and we are now prepared to go ahead immediately with the work.

The rework of M.G.M. No. 2 was commenced the evening of July 9th, when we thought we had unseated the packer only to find the following day, that the packer had both unseated and parted at the safety joint. The packer was milled up with a milling tool,

Mr. Bob Russell
Page Two
August 4, 1960

0001 8 DUA

the tail pipe fished out and the hole circulated clean to bottom. A magnesium plug was set at approximately 3191 ft. in the 7" casing and the casing perforated on both sides of the 7" hanger which was at 3171 ft.

One hundred sacks of salt cement were squeezed away and the well shut in for 60 hours commencing Saturday night, July 16, 1960. On Monday afternoon, July 18, however, the annulus was found to have 540 psi of pressure and it was bled off during which time approximately 12 barrels of clean oil were produced. This was unexpected and we subsequently found the casing had a small leak somewhere above 2920 ft. which had caused two things; firstly, a flow back of approximately half the cement by allowing a fluid escape from the annulus and, secondly, a flow in of oil from what we believed were pockets trapped behind the pipe and freed when circulation was broken during the squeezing operation. The flow back also caused a "cementing in" of the tubing, necessitating a shoot off, wash over and fishing job. There was still a small flow of water through the casing leak and a feed rate was established with the view of squeezing again. With constant pressure of 2000 psi the feed rate was 30 gallons per minute reducing to 15 gallons per minute after 15 minutes pumping. Bleed off was slow reducing pressure to 1300 psi in 7 minutes and to 600 psi in 18 minutes.

Squeezing of such a small pin hole was impractical without extensive testing to locate the hole and re-perforating. We then drilled out the magnesium plug, cleaned hole to bottom, re-perforated the interval 6613 to 6639 with one shot per foot, using B. J. Service Stata Jet expendable gun. An R3 Halliburton production packer was then set at 6530 ft. approximately on 2" tubing and swabbing commenced July 28th. The following daily recoveries of oil have been made:

Swabbing	July 29, 1960	P.M. only	22 bbls. oil	no water
Swabbing	July 29, 1960	P.M. only	46 bbls. oil	no water
Swabbing	July 30, 1960	A.M. only	23 bbls. oil	8 bbls. water
Flowing	July 31, 1960	A.M. only	18 bbls. oil	50 bbls. water

believe tubing leaking

The swabbing unit was released on July 30, 1960, and an adjustable choke installed to hold pressure for a flow test. The morning of July 29, the tubing pressure was 340 psi and the fluid level was up to 2500 ft. from surface. July 30, the tubing pressure was 400 psi and July 31, it was 150 with the choke opened up to approximately 8/64 of an inch. Casing pressure 700 psi shut in.

We thank you for your co-operation, and progress on the Texas Gulf Producing Federal 1X will be reported from time to time.

Yours very truly,

TRANSCONTINENTAL OIL CORPORATION

Orville V. Burkinshaw
PRESIDENT

August 23, 1960

Trans Continental Oil Corporation
3620 Blackburn Road
Calgary, Alberta, Canada

Attention: Orville V. Burkinshaw, President

Gentlemen:

Since filing your Notice of Intention to Rework Well No. M.G.M. #1, we have not received a status report of work done and would appreciate your filling out Form OGCC-4 and sending it to us with the present status of said well.

Also, quite sometime ago, we requested that you submit a Notice of Intention to Rework Well No. M.G.M. #2, which we have not received as yet. It would be appreciated if you would complete Form OGCC-1 and also, if work on this well is completed, Form OGCC-3, "Log of Oil or Gas Well", in duplicate and return to this office along with copies of any electric logs run.

Enclosed you will find copies of the forms to be completed and also a copy of our General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission, for your information.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANN W. GLINES,
RECORDS CLERK

AWG
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.
Salt Lake City
SL-054948-C

LAND OFFICE
LEASE NUMBER
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Grand Field Cane Creek
The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 1960, Transcontinental Oil
Agent's address 3620 Blackburn Road Company Corporation
Calgary, Alberta, Canada Signed [Signature]
Phone Agent's title Agent

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE SE¼ 36	26 S	20 E	M.G.M. #2	--	---	--	----	---	----	Planning to move in service rig next week and attempt water shut off swab in, treat and put on pump.

NOTE.—There were - 0 - runs or sales of oil; - 0 - M cu. ft. of gas sold;

- 0 - runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

October 4, 1960

Trans Continental Oil Corp.
3620 Blackburn Road
Calgary, Alberta, Canada

Attention: Mr. Orville V. Burkinshaw, President

Gentlemen:

We would like to thank you for your abandonment report on Well No. M.G.M. #1; however, we also need monthly status and/or completion reports on Wells No. M.G.M. #2 and Federal #1-X. We have made telephone calls, talked to you personally and, therefore, feel justified in asking you to file these reports as soon as possible.

Unless they are received in this office within a reasonable amount of time, it will become necessary for us to take legal action.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE SECRETARY

CBF:awg

any

TRANSCONTINENTAL OIL CORPORATION

3620 BLACKBURN ROAD
CALGARY, ALBERTA
CANADA
CH 3-1396

BOX 487
RANGELY, COLORADO
U.S.A.

October 27, 1960

U. S. Department of the Interior
Geological Survey
Branch of Oil & Gas Operations
445 Federal Building
Salt Lake City 1, Utah

Dear Sirs:

Re: Salt Lake 064948-F
Cane Creek Area, Grand County

We acknowledge receipt of your letter dated
October 10, 1960.

Upon checking through our files, we found the
report for July had been made but not mailed. Our
records indicate that you now have a monthly report on
both the M.G.M. No. 2 well and the Texas Gulf Federal 1X
well for the months from June through September, 1960.

Commencing with the October report, we will
combine the M.G.M. No. 2 well and the Texas Gulf Federal
1X well as requested.

Yours very truly,

TRANSCONTINENTAL OIL CORPORATION

Orville V. Burkinshaw
Orville V. Burkinshaw

OVB/ah
Encls.

cc: The State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Branch of Oil and Gas Operations
455 Federal Building
Salt Lake City 1, Utah

November 23, 1960

Subject: Salt Lake 064948-F

Transcontinental Oil Corporation
3620 Blackburn Road
Calgary, Canada

Gentlemen:

Your October "Lessee's Monthly Report of Operations" for Lease Salt Lake 064948-C indicates both Wells 1-X and 2 are presently suspended, and in fact they have been in such condition for a number of months. The lease was extended by virtue of production of oil in paying quantities for Well 2. In our opinion, this well is no longer capable of producing oil in paying quantities as evidenced by your reports of "water intrusion" and by oral reports we have had, that the well only produced brine at last testing. Therefore, to justify possible continued extension of this lease, we request you make a determination as to whether or not there is any well on lease Salt Lake 064948-C that is now capable of producing oil in paying quantity. If such determination is not made by you as operator by December 15, then we of this office will make such determination.

If our determination fails to show justification for continuance of the lease, you will be allowed 60 days within which to rework, or otherwise condition the well for paying production.

If this is not done, we will then be forced to recommend termination of this lease.

Very truly yours,

D. F. RUSSELL
District Engineer

DFR:co

CERTIFIED - RRR
cc: Casper, Wyoming

Oil & Gas Commission ✓

Branch of Oil & Gas Operations
445 Federal Building
Salt Lake City 1, Utah

REGISTERED MAIL

March 28, 1961

Subject: Salt Lake 064948-7

Transcontinental Oil Corporation
3620 Alachua Road
Calgary, Canada

Gentlemen:

The subject lease was extended by virtue of completion of well 2 as a well capable of producing oil in paying quantities. However, there have been no reports of oil production since August 1960 and we can find no evidence of any work being performed at either well 2 or 1-X since September.

We doubt well 2 is capable of producing oil at present time in paying quantities and hereby request a production test be made within 30 days of receipt of this letter; otherwise, we will be forced to determine the well is not capable of producing in paying quantities and the lease terminated.

Very truly yours,

D. F. Russell
District Engineer

cc: Casper
Transcontinental Oil Corp.
Denver, Colo.
Wedge, Inc.
Studio City, Calif.
Jack Petner
Long Beach, N. Y.
Harry E. Claiborne
Las Vegas, Nev.

1001 IYAM

	36		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval Expires 12-31-60
SALT LAKE

Land Office **064948-F**
Lease No. _____
Unit _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 18, 1961

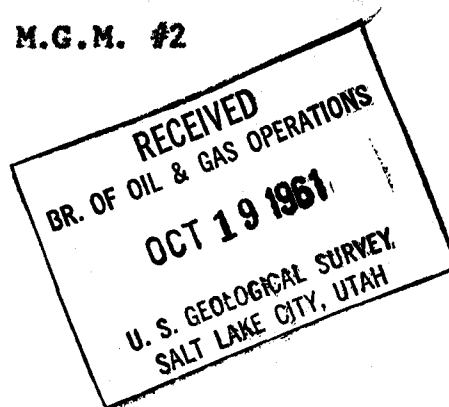
Well No. **MGM 2** is located **1725** ft. from **N** line and **894** ft. from **E** line of sec. _____
NE 1/4 SE 1/4 Sec 36 **26 S** **20 E**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Grand County **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Attached hereto report of work over of M.G.M. #2



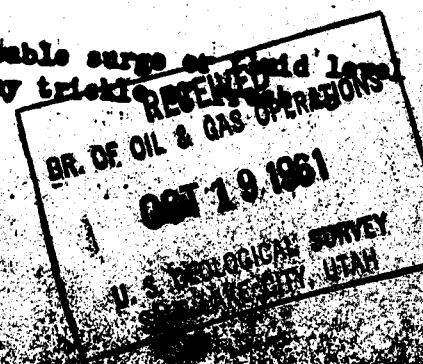
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company _____

Address _____

By *W. S. Collins*
Title *Assn*

- July 23. Flowed 150 barrels of oil in 21 hrs. $1\frac{1}{2}\%$ water, $.2\%$ S.S.
- July 24. Pumping and flowing by heads - Lack of elbow on flowline to open tank causing half of oil to blow 50 feet beyond tank. Well made an estimated 80 barrels.
- July 25. Shut well in for pressure build up. Pump neglected to tighten stuffing box packing & no build up obtained. Put well back on pump. Well flowed and pumped 60 bbls. of clean oil in 10 hrs.
- July 30.-Aug. 10. Shut down because of road closure and lack of fuel for engine.
- Aug. 11. Started pumping and got 2 bbls. of clean oil and then salt water. Well had apparently loaded up during long shut down.
- Aug. 12. Well pumped 65 bbls. of water and then turned to clean oil. Pumped 25 bbls. of oil and then pumped off or became gas locked. Shut well in for a 24 hr. period.
- Aug. 13. Shut in.
- Aug. 14, 15, 16.
Waiting on contractor to help lower red string in order to tap the bottom - hole pump to break the gas lock.
- Aug. 17. Started to pull the polished rod using the pump jack but found the jack had defective brakes so unable to continue without repairs. Well started to flow clean oil while working on red string. Turned well into separator and left overnight. T.P. 60 ps.
- Aug. 18. Well dead. Put on pump and got fluid to the surface in 2 hrs. Pumped and flowed clean oil at rates as high as $\frac{1}{2}$ barrel per minute. Left on pump (into separator) Well pumped off after making 30 bbls. Stopped pump.
- Aug. 19. Well standing full and flowing 40% oil, 40% brackish water and 20% thick dark green emulsion and old drilling mud. Pulled polished rod up and well started flow gas and oil. Made about 10 barrels out onto the ground and the well quit. Not enough to put in a 4' pony rod. Lowered bottom hole pump 49". Put on pump.
- Aug. 20. Engine died during the night. Put on again and well not making any fluid. Found bottom quite hard. Shut down to raise the red string.
- Aug. 21. Raised pump up 37" and worked on the engine. Well pumping smoothly.
- Aug. 22. Well not pumping any fluid.
- Aug. 23. Raised rods 7 feet to unseat the pump. No visible blow at surface.
- Aug. 24. Waited on equipment to raise rods and tubing.
- Aug. 25. Bad rain storm during the night, road closed.
- Aug. 26. Raised tubing 39", opening by-pass in packer. No noticeable surge or fluid level loss in casing, but casing making a little gas and a tiny trickle of brackish water.
- Aug. 27. Tried to seat pump but clamps wouldn't hold.



Aug. 28. Reset pump and started pumping. Get alternating suction and blow on casing annulus. Trouble now obvious - small leak in tubing all along and now much larger from rod action; also the travelling valve on the pump must be defective. (The appearance of emulsion and salt water on August 19th, is now explained. The formation having cleaned up nicely, the only other source of emulsion and water would have to be the displaced fluid trapped above the packer in the casing annulus.) Will pull tubing and replace bad joints and repair pump. Also will install back-pressure valve on the flow line.

Road to be closed for 20 more days so unable to get rig in at present.

Sept. 1 to 30. Road still impossible to get rig over.

13/ W. D. BICKHAM JR.
PENG.

Clara Elia
The pictures have names & titles on
back of each

March 23, 1962

MEMO TO THE COMMISSION:

The following report is to be considered an updating of information on the various wells in the Cane Creek Area. Since I discovered recently that the old MGM well # 2, with rods and pump over the hole, was periodically blowing out thru the stuffing box, I was prompted to check all the wells with this report the result.

✓ The MGM # 1 well has a fish at about 1200 feet. An unsuccessful attempt was made by Transcontinental Oil Corp. to pull this fish in the early part of 1960. Later approximately 1200 feet of 5 $\frac{1}{2}$ inch casing was reportedly pulled from this well and removed from the location. Since no bond had been secured for the pulling of this casing, an injunction was obtained to prohibit further operations. The well now stands open in a 5 feet cellar. This well, I understand, is on a State lease.

The MGM # 2 well was the most recently worked well in this area. Monty Mason was attempting to sustain production from this well at the time of his incarceration. Transcontinental Oil Corp. tried unsuccessfully to obtain production as well as Mr. William Beckham of Calgary, Canada. This well has a pump jack setting over the hole and rods in the well. Some time ago Mr. Joe Harsted, USGS Engineer and myself placed a Federal seal on this well. Later I visited the well and noticed fresh oil on the ground and pump jack and concluded that someone had been fooling around with the pump. On March 21, I was visiting this location and hear the well bubbling around the stuffing box. The well began blowing out thru the stuffing box and blew oil about 20 feet into the air for about 15 to 20 minutes. This then accounted for the fresh oil I had seen previously. As can be seen from the photograph of this well, the oil is over flowing the area, and running into a pit below. Since this well remains unattended I recommend that some steps be taken to stop this frequent blowing out. This well is on a Federal lease which, I understand, has been cancelled.

The Texas Gulf Producing Company's Federal 1-X was plugged properly and abandoned until early in 1960 Transcontinental Oil Corp. obtained permission and reentered this hole. An attempt was made to obtain production from

a Middle Paradox Salt section. The attempt was unsuccessful Transcontinental Oil Corp then moved the rig off and has done nothing to the well since. The large casing is standing in a deep cellar which has some oil and dried grass in it. This well constitutes a hazard mainly because of the large open casing protruding up. I would recommend that some steps be taken to either plug this well or at least provide protection from anything or anybody getting into this casing.

The Midwest Oil Co. Cane Creek # 1 near the river was once plugged by the U.S. Army Corp of Engineers. This well has a valve on it and will blow oil and gas as shown in the photograph when opened.

The Americol Co Cane Creek # 1, near the river, has apparently began seeping oil. I visited this location several months ago and the cellar and hole were completely dry. March 22, I visited this well to take pictures and found that the well has began seeping oil ~~xxxxx~~ and is slowly filling cellar. If the oil should reach a sufficient quantity to overflow the cellar, the oil will promptly flow into the Colorado River. The well is approximately 25 yards from the river. I recommend that, since the well has begun to seep oil, that some steps be taken to shut off the seepage.

The Cane Creed Oil Co. 's Cane Creek # 1 is standing open hole in a five feet cellar. The cellar and hole are dry as can be seen in the photograph.

✓
Note: Since the records on all of these well are vague, I am not sure the names shown in this report are the exact names of the wells, however for the sake of clarity and understanding, I have given the names as best of my knowledge and associated each of them with the corresponding photographs, which are a part of this report.

HARVEY L COONTS
PETROLEUM ENGINEER

Branch of Oil and Gas Operations
416 Empire Building
Salt Lake City 11, Utah

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

February 7, 1963

Subject: Wells MGM #2 and 1-X
Salt Lake 064948-F
Grand County, Utah

United States Fidelity and Guaranty Company
University Building
Denver 2, Colorado

Gentlemen:

By letter of September 25, 1962, we requested that you have the subject wells plugged. We are now requesting that such action be taken without further delay.

Prior to the commencement of the actual plugging operation, you or your agent are required to submit a "Notice of Intention to Abandon" said wells. No work is to be commenced until the plugging procedure has been approved by this office.

We will make no further requests from this office. Subsequent action, if necessary, will be on the basis of non-compliance with a bonding obligation.

Very truly yours,

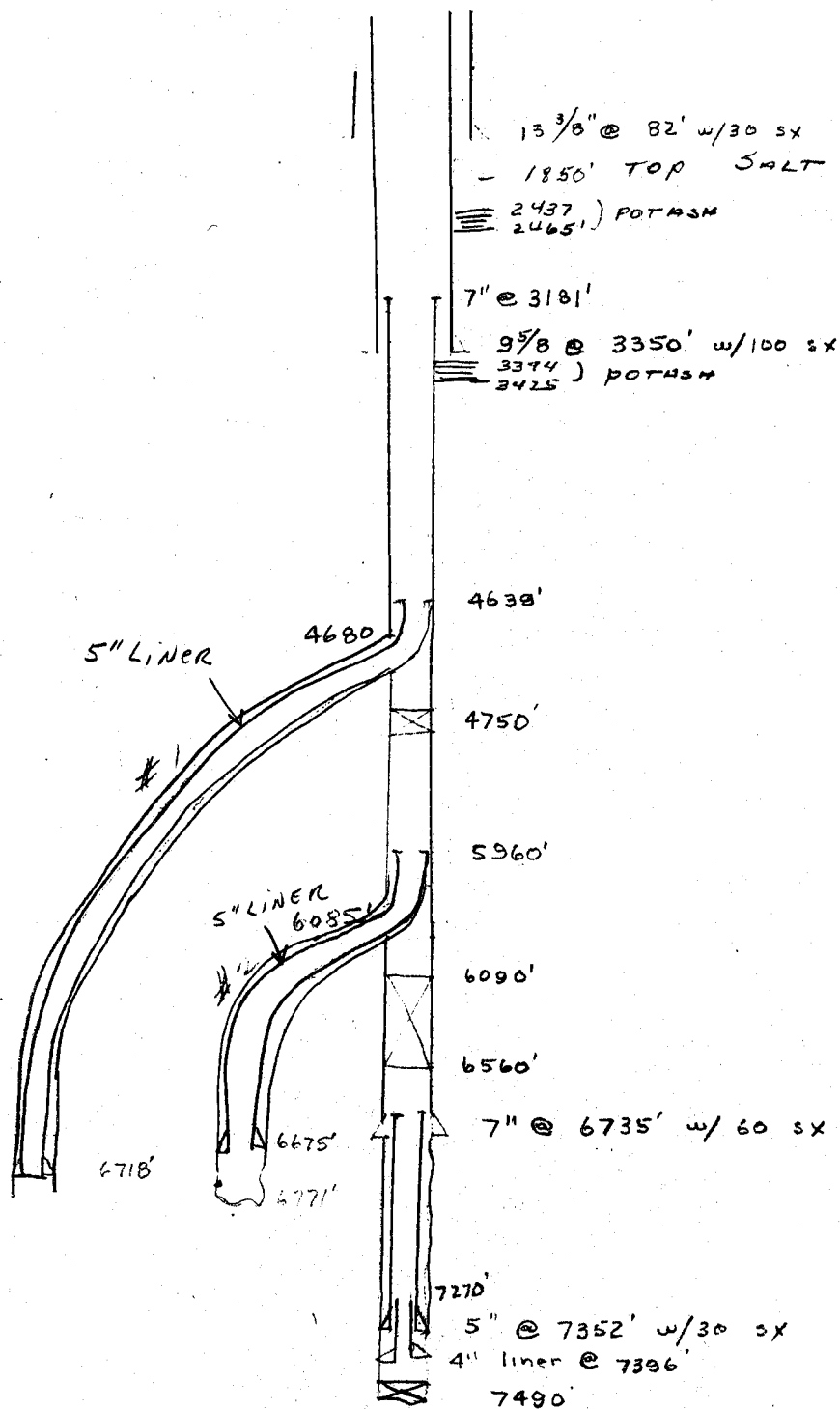
(ORIG. SGD.) J. N. Harstead

J. N. Harstead,
Acting District Engineer

JNH/id

cc: Casper

WGM #2



7
447
N 23
San Arroyo

7

Branch of Oil and Gas Operations
416 Empire Building
Salt Lake City 11, Utah

March 6, 1963

Subject: Abandoned Wells, MGM 2 & 1-X,
Salt Lake 064948-F, Cane Creek Area,
Grand County, Utah

United States Fidelity & Guaranty Company
Ninth Floor, University Building
Denver 2, Colorado

Attention: John G. Heinz

Gentlemen:

On February 28, we conferred with a representative of the Texas Gulf Sulfur Producing Company regarding the plugging of the wells in the Cane Creek area. Texas Gulf's concern is the protection of valuable potash deposits which were penetrated during the drilling of the wells. Their representative mentioned that they might be willing to contribute to the cost of plugging the wells and also that they might be willing to make arrangements to have the work done by a single contractor who would proceed directly from one well to another until all the wells were plugged. We would supervise each plugging operation.

We would approve a joint project for the plugging of the wells provided each well is to be plugged in accordance with a procedure approved by this office.

If interested, you could contact the following: James H. Ogg, Texas Gulf Sulfur Company, P. O. Box 248, Moab, Utah.

Please be advised that the bonding companies and not Texas Gulf are liable for the plugging of the wells and, in the event a joint project is initiated, we would cooperate with Texas Gulf as the representative of the bonding companies and not as the responsible party liable for the plugging of the wells.

Very truly yours,

(ORIG. SGD.) J. N. Harstead

J. N. Harstead,
Acting District Engineer

cc: Texas Gulf
State Oil & Gas Commission ✓

Bonding Company:

U.S. Fidelity and Guaranty Co.
501 Levensworth Bldg.
Salt Lake City, Utah
Mrs. Earl J. Smith.

322 0421

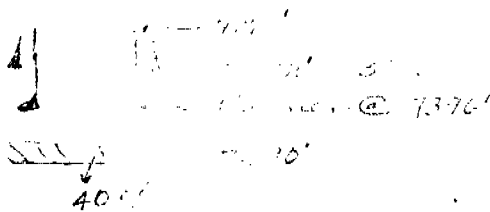
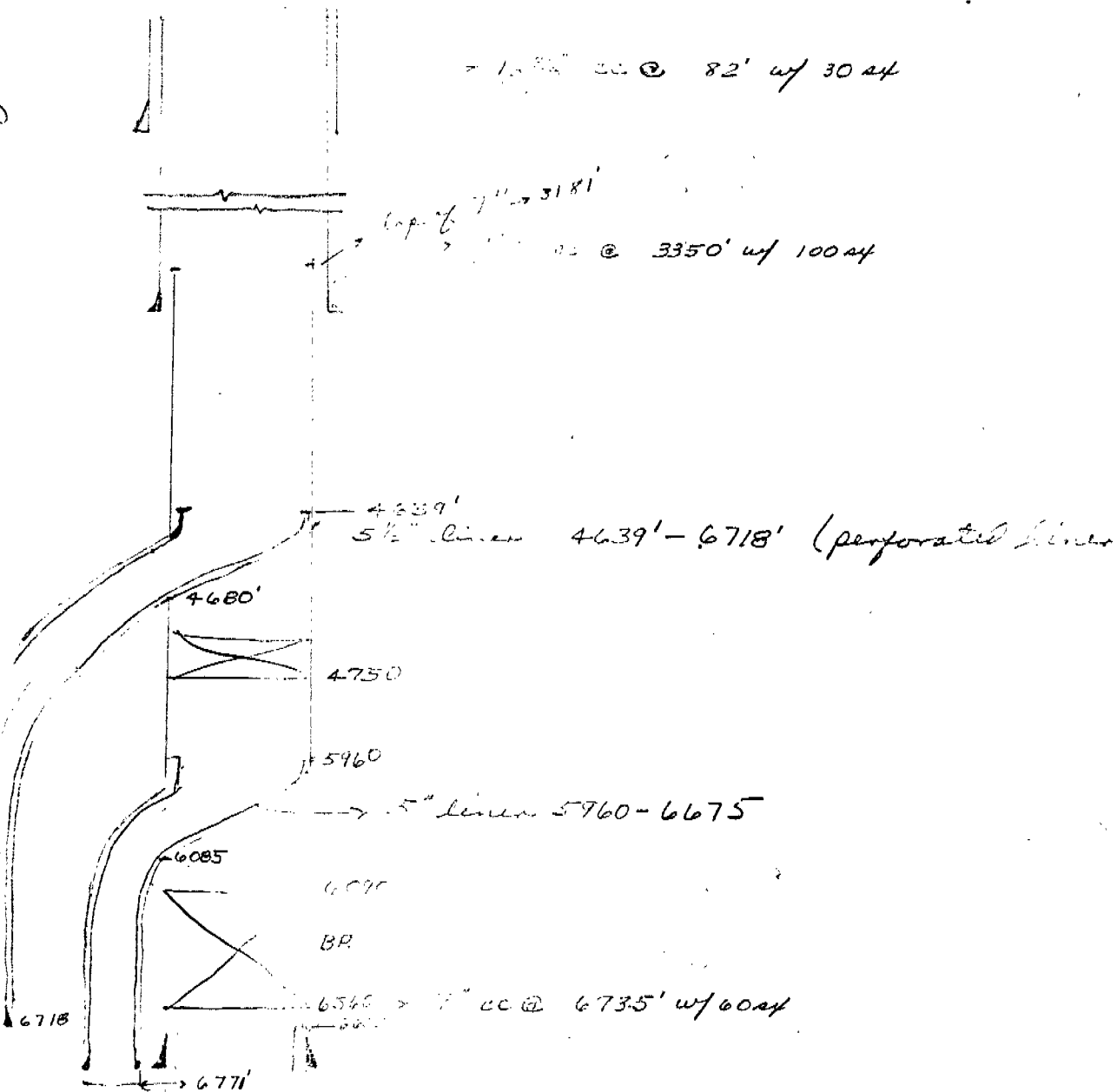
well 4500

MAR 25 1964

on top

M.C. M² 2

Spudde 1-1-54



PROPOSED plugging program
for M.G.M. #2

- ① RE-ENTER HOLE AND DETERMINE DEPTH YOU CAN REACH
- ② PLACE 50 sk plug AT TD - ?
- ③ PLUG ACROSS TOP OF 5 1/2" LINER 4600-4700' 20 sk.
- ④ plug across top of 7" LINER 3125' - 3225'. 30 sk
- ⑤ perf. + Squeeze to protect potash zone 3394'-3425'
- ⑥ perf. + Squeeze to protect potash zone 2437-65'
- ⑦ REMOVE SURFACE EQUIPMENT + SET 10 sk w/ MARKER ON SURFACE IDENTIFIED AS follows:

M.G.M. #2 - FED

NE 1/4 SE 1/4 SEC. 36 T26S R20E

12-30-64

PROPOSED PLUGGING PROGRAM FOR M.G.M. #2 (MOOCO #2 OR TRANSCONTINENTAL #2)

- ① Pull rods AND tubing
- ② Re-enter hole AND attempt to REACH T.D.
- ③ SQUEEZE 175 SX INTO PERFORATIONS AT 6595-6717
AND 6613'-6639'. LEAVE ADDITIONAL 200' PLUG
IN PIPE (5" LINER)
- ⑤ POTASH ZONE AT 3394-3425 MUST BE
PROTECTED BY EITHER:
 - (a) If pipe is REMOVED, set 200' plug OR;
 - (b) PERFORATE pipe AND SQUEEZE w/
AT LEAST 100 SX LEAVING
200' plug in pipe.
- ⑥ POTASH ZONE AT 2437'-2465' must
BE protected by either:
 - (a) If pipe is REMOVED, set 200' plug OR;
 - (b) PERFORATE pipe AND SQUEEZE w/
AT LEAST 100 SX LEAVING 200'
plug in pipe.
- ④ Set 100' plug FROM 4650'-4550'
ACROSS 5" LINER.
- ⑦ Remove ALL SURFACE FITTINGS
- ⑧ Set 10 SX plug w/ MARKER IDENTIFIED
AS follows:
M.G.M. #2 - FED
Sec 36 T26S R20E SLM
- ⑨ CLEAN, LEVEL, AND RESTORE SURFACE.